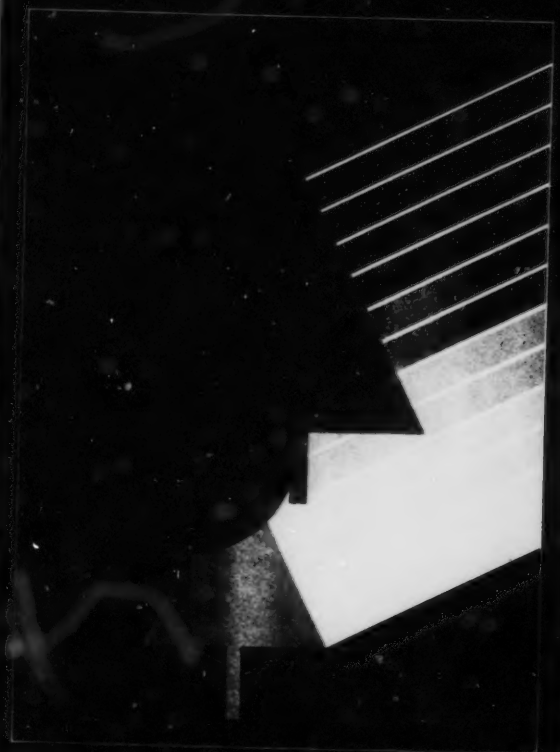
Canada's Forests 1991



Forestry Canada Forêts Canada

Canada

92-07500/

Area Classification — 1986

	000 000 ha
Forest land	
Inventoried	397.92
Noninventoried	55.40
Total forest land	453.32
Nonforest land	468.22
Total land	921.54
Water	75.52
Total	**997.06**

Ownership, Inventoried Forest Land — 000 000 ha

	Crown		Industrial	Non-industrial
	Provincial	Federal		
Newfoundland	21.79	0.10	0.50	0.08
Prince Edward Island	0.02	--	—	0.27
Nova Scotia	1.09	0.11	0.90	1.93
New Brunswick	3.09	0.16	0.59	1.00
Quebec	75.33	0.23	0.43	3.80
Ontario	39.72	0.32	0.89	5.63
Manitoba	23.45	0.39	—	1.17
Saskatchewan	22.78	0.50	—	0.24
Alberta	32.99	3.53	—	—
British Columbia	57.70	0.57	—	2.02
Yukon Territory	—	27.37	—	—
Northwest Territories	—	61.44	—	—
Total	**277.92**	**94.72**	**3.31**	**16.14**

	Municipal	Unspecified private	Unclassified	Total
Newfoundland	—	0.01	--	22.48
Prince Edward Island	—	—	—	0.29
Nova Scotia	—	—	—	4.04
New Brunswick	—	1.50	—	6.34
Quebec	—	2.70	—	82.49
Ontario	—	—	0.05	46.60
Manitoba	0.12	—	—	25.12
Saskatchewan	—	0.19	—	23.71
Alberta	0.01	1.12	0.10	37.75
British Columbia	—	0.02	—	60.31
Yukon Territory	—	—	—	27.37
Northwest Territories	—	—	—	61.44
Total	**0.13**	**5.53**	**0.15**	**397.92**

Source: *Canada's Forest Inventory 1986*. Forestry Canada.

Note: The latest forest inventory data are not comparable with previous summaries as the more recent data incorporate changes in methodology, classification, and more complete coverage of inventory.

Wood Volume and Maturity Class[a] — 1986

Province and territory	Softwoods	Hardwoods	Total
		000 000 m³	
Newfoundland	487	38	525
Prince Edward Island	16	10	26
Nova Scotia	150	94	244
New Brunswick	362	209	571
Quebec	3 020	1 204	4 225
Ontario	2 205	1 325	3 529
Manitoba	444	236	680
Saskatchewan	536	370	905
Alberta	1 684	972	2 656
British Columbia	8 180	688	8 867
Yukon Territory	436	44	480
Northwest Territories	315	131	446
Total	**17 834**	**5 320**	**23 154**

Species Groups

Softwoods	000 000 m³	Hardwoods	000 000 m³
Spruce	7 146	Poplar-aspen	2 979
Pine	4 087	Birch	1 126
Fir	2 827	Maple	652
Hemlock	1 278	Unspecified	566
Cedar	885		
Douglas-fir	696		
Larch	105		
Unspecified	808		
Total	**17 834**	**Total**	**5 320**

Maturity Class

	000 000 m³	000 000 ha
Regeneration	140	19.79
Immature	5 625	77.76
Mature	13 619	83.33
Overmature	2 117	13.14
Uneven-aged	34	0.37
Unclassified	1 618	22.04
Total	**23 154**	**216.41**

[a]Gross merchantable volume on stocked, productive, nonreserved forest land.

Source: *Canada's Forest Inventory 1986*. Forestry Canada.

Forest Losses

Fires

Province and territory	Number of fires		Area burned	
			— 000 ha —	
	1989	1990	1989	1990
Newfoundland	192	197	68	47
Prince Edward Island	30	38	--	--
Nova Scotia	425	498	--	1
New Brunswick	392	377	--	6
Quebec	1 167[a]	851[a]	2 110[a]	83[a]
Ontario	2 430	1 614	404	184
Manitoba	1 226	570	3 568	16
Saskatchewan	1 020	897[a]	471	187[a]
Alberta	795	1 296	6	31
British Columbia	3 520	3 255	25	76
Yukon Territory	244	154	328	170
Northwest Territories	613	236	578	105
National Parks	131	128	1	25
Total	**12 185**	**10 111**	**7 560**	**931**

Insects – Area of Moderate to Severe Defoliation	1988	1989	1990
		000 ha	
Spruce budworm	6 335	7 738	8 738
New Brunswick	500	396	237
Quebec	434	700	870
Ontario	5 225	6 240	6 780
Other	176	401	851
Jack pine budworm			
Ontario	737	248	30
Mountain pine beetle[b]			
British Columbia	63	53	41
Hemlock looper	13	9	3
Forest tent caterpillar	8 350	10 715	10 615
Quebec	582	372	92
Ontario	3 965	7 915	9 480
Saskatchewan	932	791	261
Alberta	2 766	1 190	609
Other	105	447	215

Volume Lost	Average 1982-86[p]
	000 000 m³
Insects	64.7
Diseases	44.9

[a]Includes intensive and limited protection zones.
[b]Area of beetle - killed trees.
[p]Preliminary data.

Source: Forestry Canada.

Forest Management

Expenditures – 1989

Activity	$ 000 000
Silviculture	684
Forest protection	446
Resource access	355
Research	117
Other	599
Total	**2 200**

Province and territory	Federal	Provincial	Industrial	Total
		$ 000 000		
Newfoundland	15	25	9	49
Prince Edward Island	2	4	–	6
Nova Scotia	10	27	14	50
New Brunswick	15	43	28	86
Quebec	58	268	72	398
Ontario	30	300	32	362
Manitoba	--	70	6	76
Saskatchewan	1	52	4	57
Alberta	8	89	25	122
British Columbia	49	434	469	952
Yukon and Northwest Territories	–	14	–	14
Forestry Canada - NCR	29	–	–	29
Total	**217**	**1 325**	**658**	**2 200**

Silvicultural Accomplishments

Activity	1987	1988	1989
Site preparation – ha	489 691	441 507	487 663
Area planted – ha	391 149	419 312	430 344
Seedlings planted – 000	703 774	745 951	750 609
Direct seeding – ha	37 496	37 761	42 598
Stand tending – ha	298 709	299 210	359 566

Province	Area planted		Seedlings planted	
	ha		000	
	1988	1989	1988	1989
Newfoundland	4 468	3 386	10 629	7 557
Prince Edward Island	972	773	2 205	1 750
Nova Scotia	11 655	9 762	31 006	24 575
New Brunswick	19 123	20 272	45 620	43 581
Quebec	99 880	103 140	234 911	235 057
Ontario	81 025	81 760	171 613	175 783
Manitoba	7 026	6 683	15 689	13 541
Saskatchewan	7 020	6 004	10 532	11 477
Alberta	18 658	24 254	25 034	26 865
British Columbia	169 485	174 310	198 712	210 423
Total	**419 312**	**430 344**	**745 951**	**750 609**

Source: Forestry Canada.

Primary Forest Production

Product	1989		Average 1985-89	
	000 m^3	%	000 m^3	%
Logs and bolts[a]				
Softwoods	131 938	68.9	126 733	68.9
Hardwoods	6 284	3.3	5 804	3.2
Pulpwood				
Softwoods	39 007	20.4	37 627	20.5
Hardwoods	5 791	3.0	4 921	2.7
Fuelwood[b]				
Softwoods	1 413	0.7	1 609	0.9
Hardwoods	4 729	2.5	4 874	2.7
Other roundwood products	2 282	1.2	2 244	1.2
Total primary products	**191 444**	**100.0**	**183 811**	**100.0**

Province and territory	1989		Average 1985-89	
	000 m^3	%	000 m^3	%
Newfoundland	2 535	1.3	2 498	1.4
Prince Edward Island	460	0.2	463	0.3
Nova Scotia	4 232	2.2	4 181	2.3
New Brunswick	9 281	4.8	8 593	4.7
Quebec	39 878	20.8	38 458	20.9
Ontario	29 642	15.5	29 417	16.0
Manitoba	1 848	1.0	1 808	1.0
Saskatchewan	3 685	1.9	3 543	1.9
Alberta	12 293	6.4	10 829	5.9
British Columbia	87 414	45.7	83 837	45.6
Coast	29 940	15.6	30 165	16.4
Interior	57 474	30.0	53 672	29.2
Yukon and Northwest Territories	176	0.1	185	0.1
Total	**191 444**	**100.0**	**183 811**	**100.0**

[a]Includes logs for pulping.
[b]Includes wood for charcoal.

Source: Statistics Canada.

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This edition combines *Canada's Forests 1990* and *Canada's Forests 1991*.

Forest Industries

Employment[a]	Number of employees		Salaries and wages — $ 000 000 —	
	1988	1989	1988	1989
Logging	**47 144**	**49 185**	**1 623**	**1 759**
Wood industries				
Sawmills and planing mills	61 694	58 884	1 989	1 997
Shingle mills	1 914	1 801	53	52
Veneer and plywood mills	9 305	9 236	283	292
Sash, door, and other millwork	37 781	40 076	870	967
Other wood industries	13 240	13 612	322	347
Total wood industries	**123 934**	**123 609**	**3 517**	**3 655**
Paper and allied industries				
Pulp and paper mills	81 058	80 595	3 332	3 491
Other paper industries	40 017	39 511	1 147	1 198
Total paper and allied industries	**121 075**	**120 106**	**4 479**	**4 689**
Total forest industries	**292 153**	**292 900**	**9 619**	**10 103**

Value of Products	Value added[b] — $ 000 000 —		Value of shipments — $ 000 000 —	
	1988	1989	1988	1989
Logging	**3 378**	**3 657**	**8 062**	**8 697**
Wood industries				
Sawmills and planing mills	3 536	3 466	9 139	9 237
Shingle mills	87	83	227	237
Veneer and plywood mills	452	479	1 051	1 068
Sash, door, and other millwork	1 602	1 767	3 376	3 655
Other wood industries	599	654	1 530	1 646
Total wood industries	**6 277**	**6 449**	**15 322**	**15 843**
Paper and allied industries				
Pulp and paper mills	10 182	9 550	19 850	19 812
Other paper industries	2 303	2 409	5 811	6 036
Total paper and allied industries	**12 485**	**11 959**	**25 661**	**25 848**
Total forest industries	**22 140**	**22 065**	**49 045**	**50 388**

[a]Based on total activity (excludes working owners and partners).
[b]Based on total activity and is the gross or sale value, less cost of material, fuel, purchased electricity, and process supplies consumed.

Source: Statistics Canada.

Canadian Output of Selected Forest Products

	1988	1989	1990
		000 m^3	
Lumber (production — all industries)			
Softwoods	59 376	57 903	53 696
Hardwoods	1 354	1 341	1 213
Total lumber	**60 730**	**59 245**	**54 909**
Plywood (shipments)	2 182	2 148	1 950
Wood-based panels (shipments)			
Particleboard	1 154	1 217	1 064
Waferboard	1 647	2 146	1 939
Hardboard	125	294	288
		000 t	
Wood pulp (production)			
Groundwood	10 420	10 507	10 531
Dissolving and special alpha	267	273	221
Sulphite — bleached	441	415	428
— unbleached	1 298	1 212	1 023
Sulphate — bleached and semibleached	9 483	9 500	8 800
— unbleached	1 463	1 356	1 360
Semichemical defibrated and exploded[a]	430	432	465
Screenings	16	13	8
Total wood pulp	**23 818**	**23 708**	**22 836**
Basic paper and paperboard (production)			
Newsprint	9 840	9 640	9 068
Printing and writing paper	3 053	3 232	3 599
Kraft paper	568	525	497
Tissue and special paper	488	486	495
Paperboard	2 702	2 700	2 806
Total paper and paperboard	**16 651**	**16 583**	**16 465**

[a]Includes pulp other than wood pulp.

Source: Statistics Canada, Canadian Pulp and Paper Association, and Forestry Canada.

Exports of Selected Forest Products

Wood, Wood Products, and Paper	Volume		Value – $ 000 000 –	
	1989	1990	1989	1990
Primary products				
Logs and bolts — 000 m³	1 813	853	189	108
Pulpwood — 000 m³	813	192	21	8
Wood chips — 000 t	1 891	1 569	165	140
Other			76	102
Total primary products			**451**	**358**
Lumber — 000 m³				
Softwoods	40 069	37 088	5 386	5 250
Hardwoods	413	387	130	121
Total lumber	**40 482**	**37 475**	**5 516**	**5 371**
Shingles and shakes — 000 m²	**32 968**	**33 462**	**215**	**226**
Veneer — 000 m³				
Softwoods	156	149	28	26
Hardwoods	133	126	116	132
Total veneer	**289**	**275**	**144**	**159**
Plywood — 000 m³				
Softwoods	325	306	105	97
Hardwoods	76	90	44	43
Total plywood	**401**	**396**	**146**	**140**
Other wood products			**774**	**719**
Wood pulp — 000 t				
Mechanical	312	301	142	140
Chemical	7 930	7 600	6 798	5 975
Total wood pulp	**8 242**	**7 901**	**6 940**	**6 115**
Paper and paperboard — 000 t				
Newsprint	8 482	8 743	5 866	5 898
Other paper and paperboard	2 822	3 277	2 355	2 736
Total paper and paperboard	**11 304**	**12 020**	**8 221**	**8 634**
Other paper products			**389**	**446**
Total wood, wood products, and paper			**22 798**	**22 168**
Exports of wood, wood products, and paper				
To: United States			14 738	15 083
United Kingdom			1 227	1 097
Japan			2 546	2 029
Other countries			4 287	3 959

Source: Statistics Canada.

Canadian Commodity Trade — 1990

Wood and Paper Commodities	Domestic exports	Re-exports[a]	Imports	Balance of trade
		$ 000 000		
Primary wood products	357	6	242	+121
Wood fabricated materials	6 615	110	987	+5 738
Wood pulp and paper products	15 195	24	2 237	+12 982
Total wood and paper products	**22 168**	**140**	**3 467**	**+18 841**
All other nonforest commodities	97 139	6 910	129 291	–25 242
Total commodity trade	**141 474**	**7 190**	**136 224**	**+12 440**

Domestic Exports of Wood and Paper Products by Province of Origin

	Primary wood products	Wood fabricated materials	Wood pulp and paper products	Total[b]
		$ 000 000		
Newfoundland	3.2	1.6	423.0	427.7
Prince Edward Island	0.4	0.8	0.2	1.4
Nova Scotia	14.0	47.2	537.3	598.5
New Brunswick	7.3	175.0	1 256.5	1 438.8
Quebec	31.1	789.6	4 333.1	5 153.8
Ontario	22.5	846.5	3 274.1	4 143.1
Manitoba	0.5	70.8	123.8	195.1
Saskatchewan	7.8	22.3	238.7	268.8
Alberta	10.1	259.3	388.5	657.9
British Columbia	260.3	4 399.1	4 620.0	9 279.3
Yukon Territory	c	0.1	c	0.3
Northwest Territories	—	2.8	—	3.0
Total	**357.4**	**6 615.1**	**15 195.2**	**22 167.6**

[a]Includes only goods previously included in import statistics that are exported in the same form as they were imported.
[b]May not add due to rounding.
[c]Less than $50 000.

Source: Statistics Canada.

Forest Industries — Corporate Profits, Taxes, and Capital Expenditures

Corporate Profits (after tax) — Quarterly Rates — Seasonally Adjusted (net income for period)

	Year	First	Second	Third	Fourth	Annual
			$ 000 000			
Wood industries						
	1987	154	154	−150	169	327
	1988	149	155	139	91	534
	1989	84	107	148	71	410
	1990	54	47	−11		
Paper and allied industries and forestry						
	1987	463	614	707	907	2 691
	1988	643	909	717	656	2 925
	1989	577	638	499	382	2 096
	1990	279	241	−10		

Corporate Taxation

	1986			1987		
	Federal	Provincial	Total	Federal	Provincial	Total
			$ 000 000			
Forestry	17	11	28	22	14	36
Wood industries	72	48	120	127	80	207
Paper and allied industries	136	123	259	254	190	444
Total	**225**	**182**	**407**	**402**	**284**	**686**

Capital Expenditures

	Construction	Machinery and equipment	Total
		$ 000 000	
1990 — Preliminary			
Forestry	125	132	257
Wood industries	104	511	615
Paper and allied industries	549	3 790	4 339
Total	**778**	**4 433**	**5 211**
1991 — Intentions			
Forestry	135	106	241
Wood industries	107	405	512
Paper and allied industries	421	3 389	3 810
Total	**663**	**3 900**	**4 563**

Source: Statistics Canada.

World Forestry Data

	Forest areas[a]	Closed forest	Growing stock
	000 000 ha		000 000 m³
North America	749.3	453.3	46 754
Canada	453.3[b]	243.7	23 154
United States	296.0	209.6	23 600
Central America	72.6	72.2	5 500
Mexico	47.8	47.8	600
South America	915.0	667.0	91 500
Africa	743.7	235.9	25 000
Europe	158.9	137.0	12 000
USSR	928.6	791.6	85 900
Asia	468.2	361.8	38 000
Oceania	298.9	223.4	6 000
World	**4 335.3**	**2 942.2**	**310 654**

[a]Includes closed forest and other wooded land.
[b]*Canada's Forest Inventory 1986*. Forestry Canada.

Sources: *Forest resources 1980*, Food and Agriculture Organization of the United Nations 1985. Cibula, E.J. *Trends in timber supply and trade, Information Review, 1980*, Department of the Environment, London. *Timber Trends and Prospects for North America, 1990*. FAO.

Roundwood Production — Average 1985-89

	Industrial	Fuelwood
	000 000 m³	
North America	568	121
Canada	169	7
United States	399	114
Central America	12	45
Mexico	7	14
South America	99	183
Africa	55	365
Europe	298	54
USSR	298	85
Asia	262	748
Oceania	30	9
World	**1 622**	**1 610**

Source: *Yearbook of Forest Statistics, 1989*. FAO.

Cette publication est aussi disponible en français sous le titre *Les forêts du Canada 1991*.

Additional copies of this publication can be obtained from:

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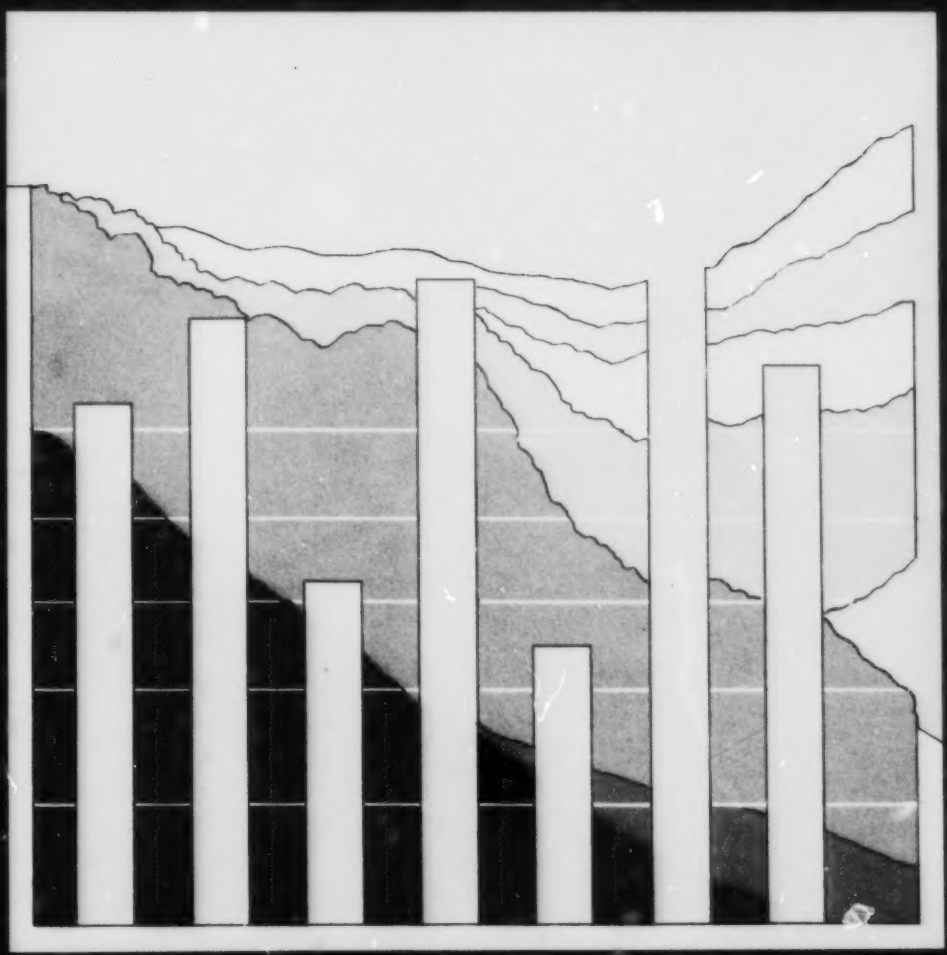

Canada

Forestry Canada

Forestry Canada is the main focus for forestry matters in the federal government. It provides national leadership through the development, coordination, and implementation of federal policies and programs to enhance long-term economic, social, and environmental benefits from the forest sector for Canadians.

Forestry Canada is a decentralized organization with six regions, two national research institutes, and seven regional sub-offices located across Canada. Headquarters is located in the National Capital Region in Hull, Quebec.

In support of its mandate, Forestry Canada carries out the following activities:

- administers forest development agreements negotiated with the provinces
- undertakes and supports research, development, and technology transfer in forest management, utilization, and environment
- compiles, analyzes, and disseminates information about national and international forest resources and related matters
- monitors disease and insect pests in Canada's forests
- provides information, analyses, and policy advice on economics, industry, markets, and trade related to the forest sector
- promotes employment, education, and training opportunities in the forest sector
- promotes public awareness of all aspects of the forest sector.

Forestry Canada interacts regularly with provincial and territorial governments, industry, labour, universities, conservationists, and the public through such bodies as the Canadian Council of Forest Ministers, the Forest Sector Advisory Council, the Forestry Research Advisory Council of Canada, the Canadian Forest Inventory Committee, the Canadian Committee on Forest Fire Management, the Canadian Interagency Forest Fire Centre, and regional consultative committees. Forestry Canada is also active in international forestry agencies such as the International Union of Forestry Research Organizations and the Food and Agriculture Organization of the United Nations, as well as in technical and trade missions.

Forêts Canada

Forêts Canada est l'organisme principal en matière de foresterie à l'intérieur du gouvernement fédéral. Chef de file sur le plan national, il assure la préparation, la coordination et la mise en oeuvre des politiques et des programmes fédéraux dans le but d'améliorer les avantages économiques, sociaux et environnementaux à long terme offerts aux Canadiens par le secteur forestier.

Forêts Canada est une organisation décentralisée: six régions, deux instituts de recherche nationaux ainsi que sept sous-bureaux régionaux sont répartis dans tout le Canada. L'administration centrale est établie dans la région de la Capitale nationale, à Hull (Québec).

Pour remplir son mandat, Forêts Canada assume les tâches suivantes:

- il administre les accords de développement forestier conclus avec les provinces
- il entreprend et appuie la recherche, la mise au point et le transfert technologique dans le domaine de la gestion, de l'utilisation des forêts et de l'environnement
- il rassemble, analyse et diffuse de l'information sur les ressources forestières nationales et internationales et les domaines connexes
- il fait des relevés des maladies et des insectes ravageurs des forêts canadiennes
- il fournit de l'information, des analyses et des conseils (quand aux politiques) concernant l'économie, l'industrie, les marchés et le commerce reliés aux secteur forestier
- il favorise les occasions d'emploi et de formation universitaire et technique dans le secteur forestier
- il encourage les Canadiens à prendre conscience de tous les aspects du secteur forestier.

Forêts Canada entretient des rapports sur une base régulière avec les gouvernements provinciaux et territoriaux, l'industrie, le monde du travail, les universités, les environnementalistes et le public par l'entremise d'organismes comme le Conseil canadien des ministres des Forêts, le Conseil consultatif du secteur forestier, le Conseil consultatif de la recherche forestière du Canada, le Comité de l'Inventaire des forêts du Canada, le Comité canadien de la gestion des incendies de forêt, le Centre interservices des feux de forêt du Canada et des comités consultatifs régionaux. Forêts Canada joue également un rôle actif dans des organismes internationaux de foresterie comme l'Union internationale des instituts de recherches forestières et l'Organisation des Nations Unies pour l'alimentation et l'agriculture, de même qu'au sein de délégations de nature technique ou commerciale.

SELECTED FORESTRY STATISTICS

CANADA 1991

POLICY AND ECONOMICS DIRECTORATE

FORESTRY CANADA

GOVERNMENT OF CANADA

JANUARY 1992

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These publications are also available: Forestry Facts, revised May 1990, is an easy-to-read "pocket-size" compendium of interesting and useful facts about the forestry sector in Canada. It shows Canada's place in the global context and a comprehensive national overview of Canada's forestry sector. It is packed with capsule statistics organized by industry segment and by province or territory. A snapshot overview is also presented in the brochure entitled, Canada's Forests.

If you need to know more about these statistics, contact the Forestry Canada Office nearest you.

Copies of these publications may be obtained at no charge from the following address:

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ABSTRACT

Selected Forestry Statistics Canada 1991 contains the most current statistics available as of December 1991 and relates to a series of tables on Canadian forest resources and management activities, commodity production, shipments and trade, principal and employment statistics by industry sector, as well as selling price indexes, financial statistics, and economic indicators. Some transportation, construction, and international data complete the picture.

Over 145 tables of forest economic data at the national and provincial levels are included in the report. Data have been extracted from approximately 55 different publications. A number of charts have been included to help the reader visualize the information. In addition, the last section of this publication describes the main forestry and economic terms used in the tables. The conversion factors used to convert from metric to imperial measure and the standard symbols used are available on page V. The reader should note that the columns of figures may not always sum exactly due to rounding.

To increase the precision and facilitate the retrieval of time series data, CANSIM (a computerized data bank of Statistics Canada) was used wherever possible. The tables of commodity data were retrieved from computer tapes produced by Statistics Canada's International Trade Division and the world statistics were retrieved from a computer tape produced by the Food and Agriculture Organization of the United Nations.

Information given at the beginning of the relevant sections highlights recent changes.

Arrangements can be made to provide the information on diskette in Wordperfect 5.1 or ASCII format.

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RÉSUMÉ

Le Recueil de statistiques forestières canadiennes 1991 contient les statistiques les plus récentes disponibles en décembre 1991 et porte sur les ressources forestières au Canada et sur les activités d'aménagement, la production et les livraisons de marchandises, le marché des produits, les statistiques principales et les données sur l'emploi par secteur industriel ainsi que sur les indices des prix de vente, les statistiques financières et les indicateurs économiques. Quelques données sur le transport, la construction et la foresterie mondiale complètent ce document.

Plus de 145 tableaux de données forestières et économiques aux niveaux national et provincial sont inclus dans ce recueil. Les données proviennent d'environ 55 publications différentes. Plusieurs figures accompagnent les tableaux afin d'aider le lecteur à visualiser les renseignements. De même, la dernière section de ce recueil décrit brièvement les principaux termes forestiers et économiques utilisés dans les tableaux. Les facteurs nécessaires à la conversion des mesures métriques en mesures impériales et les signes conventionnels employés sont disponibles à la page V. Le lecteur devra remarquer que les totaux peuvent ne pas être exacts, certains chiffres étant arrondis.

Afin d'augmenter la précision des données et en faciliter l'extraction, CANSIM (la banque informatisée de séries chronologiques de Statistique Canada) a été utilisée où cela était possible. Les données sur le marché des produits ont été extraites de bandes magnétiques produites par la Division du commerce international de Statistique Canada, et les données sur la foresterie internationale proviennent d'une bande magnétique produite par l'Organisation des Nations Unies pour l'alimentation et l'agriculture.

Les renseignements fournis au début des sections soulignent les changements survenus récemment.

Certaines dispositions peuvent être prises afin de fournir l'information sur disquette en format "Wordperfect 5.1" ou "ASCII".

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CONVERSION FACTORS

All units of measure in this publication are shown in metric only. The following table shows the factors used in converting from metric measure to imperial.

Description	Metric measure	Conversion factor (multiply by)	Imperial (English) measure
Bolts	m^3	0.415 472	cord
Flooring	m^3	0.423 775	MBF (thousand board feet)
Forest area	ha (0.01 km^2)	2.470 968	acre
Logs	m^3	0.220 750	MBF (thousand board feet)
Logs, pulpwood	m^3	0.353 147	cunits (100 cubic feet)
Lumber	m^3	0.423 775	MBF (thousand board feet)
Newsprint, paper and paperboard	t	1.102 310	short ton
Newsprint, paper and paperboard	t	22.045 855	CWT (hundredweights)
Particleboard	m^3	880.272 108	sq ft 5/8 (square foot 5/8")
Plywood - softwoods	m^3	1 130.071 194	sq ft 3/8 (square foot 3/8")
- hardwoods	m^3	1 695.202 576	sq ft 1/4 (square foot 1/4")
Pulpwood - peeled	m^3	0.371 733	cord
- unpeeled	m^3	0.415 467	cord
- total	m^3	0.415 467	cord
Railway ties	m^3	28.315 789 x 0.423 775	number
Roundwood	m^3	35.314 724	cubic feet
Shingles and shakes	m^2	0.107 639	rfsq (roof squares)
Veneer - softwoods	m^3 to m^2 x 314.925	3 389.830 508	sq ft (square foot)
- hardwoods	m^3 to m^2 x 800.888	8 620.689 655	sq ft (square foot)
Wood chips	t	1.102 310	ton (short tons)
Wood pulp	t	22.045 855	CWTAD (hundredweights air dry)

KEY TO SYMBOLS

The standard symbols used by Statistics Canada have been adopted for use in this manual. They are as follows:

...	figures not appropriate or not applicable
..	figures not available
-	nil or zero
--	amount too small to be expressed
p	preliminary figures
r	revised figures
x	confidential to meet secrecy requirements under the Statistics Act
e	estimated
n.e.c.	not elsewhere classified

COMPARISON OF TABLE NUMBERS USED BETWEEN 1987 AND 1991

1990/91	1988	1987	1990/91	1988	1987	1990/91	1988	1987
I-1	I-1	I-1	III-6	III-6	III-6	IV-26	IV-26	IV-26
I-2	I-2	I-2	III-7	III-7	III-7	IV-27	IV-27	IV-27
I-3	I-3	I-3	III-8 (A,B)	III-8	III-8	IV-28	IV-28	IV-28
I-4	I-4	-	III-9 (A,B)	III-9	III-9	IV-29	IV-29	IV-29
-	I-5	I-4	III-10 (A,B)	III-10	III-10	IV-30	IV-30	IV-30
I-5	I-6	I-5	III-11 (A,B)	III-11	III-11			
I-6	I-7	-	III-12 (A,B)	III-12	III-12	V-1	V-1	V-1
I-7	I-8	-	III-13 (A,B)	III-13	III-13	V-2	V-2	V-2
I-8	I-9	I-6	III-14 (A,B)	III-14	III-14	V-3	V-3	V-3
I-9	I-10	I-7	III-15 (A,B)	III-15	III-15	V-4	V-4	V-4
I-10	-	-	III-16 (A,B)	III-16	III-16			
I-11	I-11	I-8	III-17 (A,B)	III-17	III-17	VI-1	VI-1	VI-1
I-12	I-12	I-9	III-18 (A,B)	III-18	III-18	-	-	VI-2
I-13	I-13	I-10	III-19 (A,B)	III-19	III-19	VI-2	VI-2	-
I-14	I-14	I-11	III-20 (A,B)	III-20	III-20	VI-3	VI-3	-
I-15	I-15	I-12	III-21 (A,B)	III-21	III-21	VI-4	VI-4	-
						VI-5	VI-5	VI-3
II-1	II-1	II-1	IV-1 (A,B)	IV-1	IV-1			
II-2	II-2	II-2	IV-2 (A,B)	IV-2	IV-2	VII-1	VII-1	VII-1
II-3	II-3	II-3	IV-3 (A,B)	IV-3	IV-3	VII-2	VII-2	VII-2
II-4	II-4	II-4	IV-4	IV-4	IV-4	VII-3	VII-3	VII-3
II-5	II-5	II-5	IV-5 (A,B)	IV-5	IV-5	VII-4	VII-4	VII-4
II-6	II-6	II-6	IV-6 (A,B)	IV-6	IV-6	VII-5	VII-5	VII-5
II-7	II-7	II-7	IV-7 (A,B)	IV-7	IV-7	VII-6	VII-6	VII-6
II-8	II-8	II-8	IV-8 (A,B)	IV-8	IV-8	VII-7	VII-7	VII-7
II-9	II-9	II-9	IV-9	IV-9	IV-9	VII-8	VII-8	VII-8 in 1987
II-10	II-10	II-10	IV-10 (A,B)	IV-10	IV-10	-	-	VII-8 in 1986
II-11	II-11	II-11	IV-11 (A,B)	IV-11	IV-11	VII-9	VII-9	VII-9 in 1987
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II-14	II-14	II-14	IV-14	IV-14	IV-14	VIII-2	VIII-2	VIII-2
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II-18	II-18	II-18	IV-18	IV-18	IV-18	IX-2 (A,B)	IX-2 (A,B)	IX-2 (A,B)
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II-21	II-21	II-21	IV-21	IV-21	IV-21	IX-5 (A,B)	IX-5 (A,B)	IX-5 (A,B)
-	II-22	II-22	IV-22	IV-22	IV-22	IX-6 (A,B)	IX-6 (A,B)	IX-6 (A,B)
-	II-23	II-23	IV-23	IV-23	IV-23	IX-7 (A,B)	IX-7 (A,B)	IX-7 (A,B)
			IV-24	IV-24	IV-24	IX-8 (A,B)	IX-8 (A,B)	IX-8 (A,B)
III-1	III-1	III-1	IV-25	IV-25	IV-25	IX-9 (A,B)	IX-9 (A,B)	IX-9 (A,B)
III-2	III-2	III-2				IX-10	IX-10	IX-10
III-3	III-3	III-3				IX-11	IX-11	IX-11
III-4	III-4	III-4				IX-12	IX-12	IX-12
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SUMMARY OF SELECTED FORESTRY STATISTICS
CANADA 1991

1.	**Land area, 1986**	**921.5**	**million ha**
	Forest land	453.3	
	Inventoried forest land	397.9	
	Inventoried timber-productive forest land	243.7	
	Inventoried stocked timber-productive nonreserved forest land	216.4	
	Agricultural land	67.8	

		Inventoried	Inventoried timber-productive	Inventoried stocked timber-productive nonreserved	
2.	**Ownership of forest land, 1986**	**397.9**	**243.7**	**216.4**	**million ha**
	Provincial Crown	70%	80%	81%	
	Federal Crown	24%	11%	10%	
	Others	6%	9%	9%	
3.	**Volume of wood on forest land, 1986**	..	**23 921**	**23 154**	**million m^3**

		1986	1987	1988	1989	
4.	**Silviculture**					
	Area harvested	971 813	1 050 849	1 086 098	1 017 818	ha
	Area of site preparation	404 465	489 691	441 507	487 663	
	Area planted	308 660	391 149	419 312	430 345	
	Area directly seeded	25 594	37 231	37 761	42 598	
	Area of stand tending	255 795	298 709	299 210	359 566	
	Area of pest control	..	..	..	..	
	Trees planted (seedlings)	558 073	703 774	745 951	750 609	thousand

		1987	1988	1989	1990	
5.	**Fire**					
	No. of fires	11 304	10 741	12 185	10 111	
	Area burned - total forest land	1 085 629	1 336 070	7 559 570	930 921	ha
	- timber-productive forest land	306 439	639 654	3 877 358	256 790	ha
	Fire control - budgeted costs	$115 630	$156 989	$152 089	$186 382	thousand
	- fighting costs	$155 321	$216 998	$280 191	$248 484	thousand

6.	**Forest insect and disease conditions, 1982-1986p**	**109.6**	**million m^3**
	Average annual mortality volume	62.3	
	Growth reduction	22.3	
	Wood destruction	25.0	

		1987	1988	1989	1990	
7.	**Moderate to severe defoliation**					
	Spruce budworm	8 479	6 335	7 738	8 738	thousand ha
	Forest tent caterpillar	3 813	8 350	10 715	10 615	
	Jack pine budworm	508	737	248	30	

SUMMARY OF SELECTED FORESTRY STATISTICS CANADA 1991 (continued)

	1985	1988	1989	
8. Forest management expenditures	**$1 689.0**	**$2 001.3**	**$2 200.0**	**million**
Provincial	1 074.2	1 310.3	1 324.9	
Federal	209.0	250.7	217.0	
Industry	405.9	465.5	658.1	
Silviculture	$ 480.6	$ 670.6	$ 684.1	million
Forest protection	377.8	411.1	446.3	
Resource access	346.7	285.6	354.5	
Research	89.4	105.7	116.7	
Other	395.0	528.3	598.5	

	1986	1987	1988	
9. Federal-provincial agreements	**$199 357**	**$256 718**	**$267 885**	**thousand**
Federal	112 602	138 984	131 833	
Provincial	86 755	117 733	136 052	
Site preparation and regeneration	101 444	127 161	143 363	
Other silvicultural treatments	49 923	69 702	73 206	
Forest protection	2 317	1 474	1 129	
Research and forest extension	29 148	38 784	33 343	
Other activities	16 525	19 597	16 844	

	1986	1987	1988	1989p	
10. Roundwood production	**177.1**	**191.6**	**190.3**	**191.4**	**million m^3**
Atlantic provinces	9%	8%	9%	9%	
Quebec	21%	21%	21%	21%	
Ontario	17%	15%	15%	15%	
Prairie provinces	9%	8%	9%	9%	
British Columbia	44%	47%	46%	46%	
Species mix					
Softwoods	91%	92%	91%	91%	
Hardwoods	9%	8%	9%	9%	

	1987	1988	1989	1990	
11. Lumber production	**61.8**	**60.7**	**59.3**	**54.9**	**million m^3**
Atlantic provinces	4%	4%	3%	4%	
Quebec	19%	18%	18%	17%	
Ontario	10%	10%	10%	9%	
Prairie provinces	7%	8%	8%	9%	
British Columbia	60%	60%	61%	61%	
Species mix					
Softwoods	98%	98%	98%	98%	
Hardwoods	2%	2%	2%	2%	

	1987	1988	1989	1990	
12. Wood pulp production	**23.1**	**23.8**	**23.7**	**22.8**	**million t**
Quebec	31%	32%	31%	32%	
Ontario	19%	19%	19%	18%	
British Columbia	30%	30%	30%	30%	
All other provinces	20%	19%	20%	20%	

SUMMARY OF SELECTED FORESTRY STATISTICS
CANADA 1991 (continued)

	1987	1988	1989	1990	
13. Basic paper and paperboard production	**16.0**	**16.6**	**16.6**	**16.5**	**million t**
Quebec	42%	43%	41%	42%	
Ontario	26%	25%	26%	25%	
British Columbia	17%	17%	17%	18%	
All other provinces	15%	15%	16%	15%	

	1987	1988	1989	1990	
14. Shipments					
Roundwood	..	..	..	..	million m^3
Lumber - total	..	57.6	..	..	million m^3
- softwoods	..	56.9	..	..	million m^3
Wood pulp	10.0	10.1	10.0	9.3	million t
Paper and paperboard - total	16.1	16.5	16.5	16.5	million t
- newsprint	9.7	9.7	9.6	9.1	million t

	1987	1988	1989	1990	
15. Exports of forest products	**$ 21 241**	**$ 22 581**	**$22 798**	**$ 22 168**	**million**
Lumber - total	5 859	5 415	5 516	5 371	
- softwoods	5 745	5 234	5 386	5 250	
Wood pulp	5 473	6 496	6 940	6 115	
Paper and paperboard - total	8 266	8 632	8 221	8 634	
- newsprint	6 029	6 201	5 866	5 898	
Other forest products	1 643	2 038	2 121	2 048	

	1987	1988	1989	1990	
16. Exports of forest products by region of lading/origin	**$ 21 241**	**$22 581**	**$22 798**	**$22 168**	**million**
Atlantic provinces	11%	11%	11%	11%	
Quebec	23%	23%	22%	23%	
Ontario	18%	18%	17%	19%	
Prairie provinces	4%	4%	5%	5%	
British Columbia	44%	44%	45%	42%	

	1987	1988	1989	1990	
17. Balance of trade, net flow	**$ + 8 848**	**+ 6 379**	**+ 3 510**	**$ +12 440**	**million**
Forest products	+18 671	+19 434	+19 506	+18 841	
Farm products	+ 1 849	+ 2 646	+ 754	+ 1 629	
Fish products	+ 2 079	+ 2 059	+ 1 707	+ 1 958	
Energy	+ 8 333	+ 8 575	+ 7 461	+ 7 407	
Metals and minerals	+ 7 475	+ 8 404	+10 437	+ 9 297	
Chemicals and fertilizers - mineral	+ 1 276	+ 292	- 916	- 964	
Chemicals and fertilizers - non-mineral	- 1 897	-	-	-	
Textiles	- 1 805	- 1 602	- 1 675	- 1 518	
Machinery	- 6 048	- 7 283	- 7 387	- 6 539	
Transportation and automotive products	- 1 061	- 831	+ 1 734	+ 4 871	
Other products	-18 400	-23 375	-25 981	-21 212	

SUMMARY OF SELECTED FORESTRY STATISTICS CANADA 1991 (concluded)

	1986	1987	1988	1989p	
18. Employment in forest industries (direct jobs)	**274**	**289**	**292**	**293**	**thousand**
Logging	46	48	47	49	
Wood industries	111	122	124	124	
Paper and allied industries	117	119	121	120	
	1986	**1987**	**1988**	**1989p**	
19. Value of shipments of goods	**$ 38 276**	**$ 45 133e**	**$ 49 045**	**$ 50 388**	**million**
Logging	5 776	7 538	8 062	8 697	
Wood industries	12 433	14 583e	15 322	15 843	
Paper and allied industries	20 067	23 012e	25 661	25 848	
	1986	**1987**	**1988**	**1989p**	
20. Value added, total activity	**$ 16 737**	**$ 20 847**	**$ 22 140**	**$ 22 065**	**million**
Logging	2 297	3 340	3 378	3 657	
Wood industries	5 523	6 548	6 277	6 449	
Paper and allied industries	8 917	10 959	12 485	11 959	
	1985	**1986**	**1987**		
21. Corporate income taxes paid by the forest industries	**$ 300**	**$ 406**	**$ 686**	**million**	
Federal income taxes	175	225	402		
Provincial income taxes	126	182	284		
	1988	**1989**	**1990**	**1991**	
22. Capital and repair expenditures	**$ 7 524**	**$ 9 430**	**$ 8 414**	**$ 7 865**	**million**
Logging industry	602	642	575	571	
Wood industries	1 499	1 291	1 364	1 247	
Paper and allied industries	5 423	7 497	6 475	6 046	
All Canadian industries	155 590	173 232	174 700	179 454	
	1987	**1988**	**1989**	**1990**	
23. Forest industries contribution to Canadian gross domestic products	**3.5%**	**3.4%**	**3.3%**	**3.1%**	
Canadian gross domestic product at factor cost in 1986 prices	$471 523	$493 265	$505 938	$507 514	million
	1988	**1989**	**1990**		
24. Transport	..	..	..	million t	
Railways	36	35	33		
Trucking	..	..	..		
Marine traffic	43	39	35		
	Percent	**Rank**	**Volume/value**		
25. Canada's share in world forest economy, 1989					
Softwood growing stock	16%	2nd	17 834	million m^3	
Industrial softwood roundwood production	14%	3rd	159 788	thousand m^3	
Softwood lumber production	16%	3rd	57 980	thousand m^3	
Wood pulp production	15%	2nd	23 593	thousand t	
Newsprint production	30%	1st	9 678	thousand t	
Value of exports of forest products	19%	1st	18 379	million US $	

SECTION I

CANADIAN FOREST RESOURCES AND RELATED MANAGEMENT ACTIVITIES

Forest Biomass Inventory: The federal ENFOR program, in cooperation with Forestry Canada and provincial forestry agencies, completed the Forest Biomass Inventory to provide a better knowledge of forest biomass quantities, their form and location across Canada.

Forest Fire: The Forest Fire Statistics are reported by the provincial, territorial, and federal forest fire management agencies. Forestry Canada compiles annual statistics that primarily report the number of fires, their causes and the area of forest land that was burned.

Forest Insects and Diseases: The Forest Insect and Disease Survey (FIDS) is a nationally coordinated program of Forestry Canada's six regional FIDS units and the FIDS Technology Development Project. The program provides perspectives on insects and diseases, as well as atmospheric pollutants, to forest managers, quarantine agencies, researchers, educators, and the public. In cooperation with those responsible for improving forest inventory and economic data in Canada, the survey is attempting to provide more quantitative and interpretive data on damage and depletion caused by forest pests.

Forest Inventory: Through the Canadian Forest Inventory Committee, Forestry Canada works in close cooperation with provincial and territorial forest management agencies, to make recommendations on forest inventory procedures, and to acquire data for national area and volume summaries on topics such as ownership, status, productivity, site quality, stocking, disturbance, age, forest types, and species groups. The federal ENFOR program, in cooperation with Forestry Canada and provincial forestry agencies, completed the INVENTORY OF FOREST BIOMASS to provide above-ground forest biomass to the wood volume estimates. The forest inventories are available from the CANADIAN FOREST RESOURCE DATA SYSTEM.

Forest Management Expenditures: The Forest Management Expenditures Survey is a co-operative effort between the Canadian Pulp and Paper Association and Forestry Canada. It provides information on the level of funding for forest management activity by government and the forest industry in Canada. In this context, forest management includes the whole range of activities from regeneration to stand improvement, protection, research, and support services, such as forest inventory and nursery infrastructure. Resource access is also included.

Forest Tree Production: The Forest Tree Production Survey deals with the operations of federal, provincial, industrial, and private commercial production centres producing bare-root and containerized forest tree seedlings primarily for reforestation of harvested land. It is prepared with the assistance of representatives of provincial forestry agencies, the forest industry, and private sector growers across Canada.

Silviculture: Responsibility for silvicultural practice in Canada is increasingly delegated to forest industry by the provincial forest management agencies. The federal role, coordinated by Forestry Canada, is supportive through silvicultural research, technology transfer, and financial assistance for reforestation, stand tending, and pest control programs under specific federal-provincial agreements. Data for national summaries are collected using a questionnaire completed by provincial forestry personnel.

I - 1. Area Classification by Class and Province, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada[a]
							1 000 000 ha								
A. Forest land															
Inventoried	**22.48[b]**	**0.29**	**4.04**	**6.34**	**33.15**	**82.49**	**46.60**	**25.12**	**23.71**	**37.75**	**86.58**	**60.31**	**27.37**	**61.44**	**397.92**
Timber-productive	11.18	0.28	3.85	6.09	21.39	54.79	38.29	14.92	15.89	25.44	56.25	51.10	7.56	14.32	243.70
Reserved	0.07	..	0.10	0.03	0.20	0.35	1.47	0.73	1.07	2.45	4.25	2.02	0.07	0.58	8.93
Nonreserved	11.10	0.28	3.75	6.07	21.20	54.39	36.77	14.19	14.82	21.46	50.48	49.09	7.49	13.74	233.15
Stocked	10.39	0.26	3.58	6.05	20.28	51.85	32.68	12.62	13.31	20.64	46.57	45.05	6.24	13.74	216.41
Fully	1.98	0.22	0.01	2.38	4.58	..	26.07	11.34	8.63	17.83	37.81	45.05	2.22	4.26	119.99
Partially	0.36	0.02	--	0.12	0.51	..	6.60	1.28	2.24	1.14	4.66	-	3.05	8.74	23.55
Unquantified	8.05	0.02	3.58	3.55	15.20	51.85	0.01	..	2.44	1.67	4.11	--	0.97	0.74	72.68
Nonstocked	0.71	0.01	0.16	0.02	0.90	2.54	4.08	1.57	1.50	0.82	3.89	4.04	1.25	0.01	16.71
Unclassified	..	..	..	..	..	0.05	0.05	..	..	1.53	1.53	..	..	..	1.63
Timber-unproductive	11.30	0.02	0.19	0.24	11.75	27.70	8.32	10.20	7.80	11.82	29.82	9.19	19.63	44.35	150.76
Unspecified timber productivity	..	..	..	-	..	..	..	..	0.02	0.49	0.51	0.02	0.17	2.77	3.47
Not inventoried	-	-	-	-	-	**11.50**	**34.10**	**9.80**	-	-	**9.80**	-	-	-	**55.40**
Total[a]	**22.48**	**0.29**	**4.04**	**6.34**	**33.15**	**94.00**	**80.70**	**34.92**	**23.71**	**37.75**	**96.38**	**60.31**	**27.37**	**61.50**	**453.32**
B. Other lands, water, and total area															
Nonforest land	**14.69**	**0.28**	**1.24**	**0.87**	**17.08**	**41.68**	**8.42**	**19.92**	**33.36**	**26.69**	**79.97**	**32.66**	**20.53**	**267.86**	**468.22**
Agricultural	0.04	0.27	0.42	0.41	1.14	3.64	5.65	7.74	26.60	20.66	55.00	2.41	-	-	67.83
Other	14.65	0.01	0.82	0.46	15.94	38.04	2.77	12.18	6.76	6.03	24.97	30.25	20.53	267.86	400.39
Total land[a]	**37.17**	**0.57**	**5.28**	**7.21**	**50.23**	**135.68**	**89.12**	**54.84**	**57.07**	**64.44**	**176.35**	**92.97**	**47.90**	**329.36**	**921.54**
Water	3.40	-	0.27	0.14	3.81	18.39	17.74	10.16	8.16	1.68	20.00	1.81	0.45	13.33	75.52
Total area[a]	**40.57**	**0.57**	**5.55**	**7.34**	**54.03**	**154.07**	**106.86**	**65.00**	**65.23**	**66.12**	**196.35**	**94.78**	**48.35**	**342.63**	**997.06**
C. Biomass on nonreserved forest land (1 000 000 t)															
Timber-productive	347	29	315	532	1 223	3 660	3 086	747	638	1 916	3 301	8 798	189	442	20 700
Timber-unproductive	424	1	10	10	445	621	1 123	364	432	230	1 026	708	11	672	4 606
Total	**770**	**30**	**325**	**542**	**1 667**	**4 281**	**4 209**	**1 111**	**1 070**	**2 146**	**4 327**	**9 506**	**199**	**1 114**	**25 306**

[a]Total may not add up due to rounding.
[b]1 hectare = 10 000 m^2 and 1 km^2 = 100 hectares.

Sources: Forestry Canada, Canada's Forest Inventory 1986, Inventory of Forest Biomass in Canada 1986. Statistics Canada, Census of Agriculture 1986.

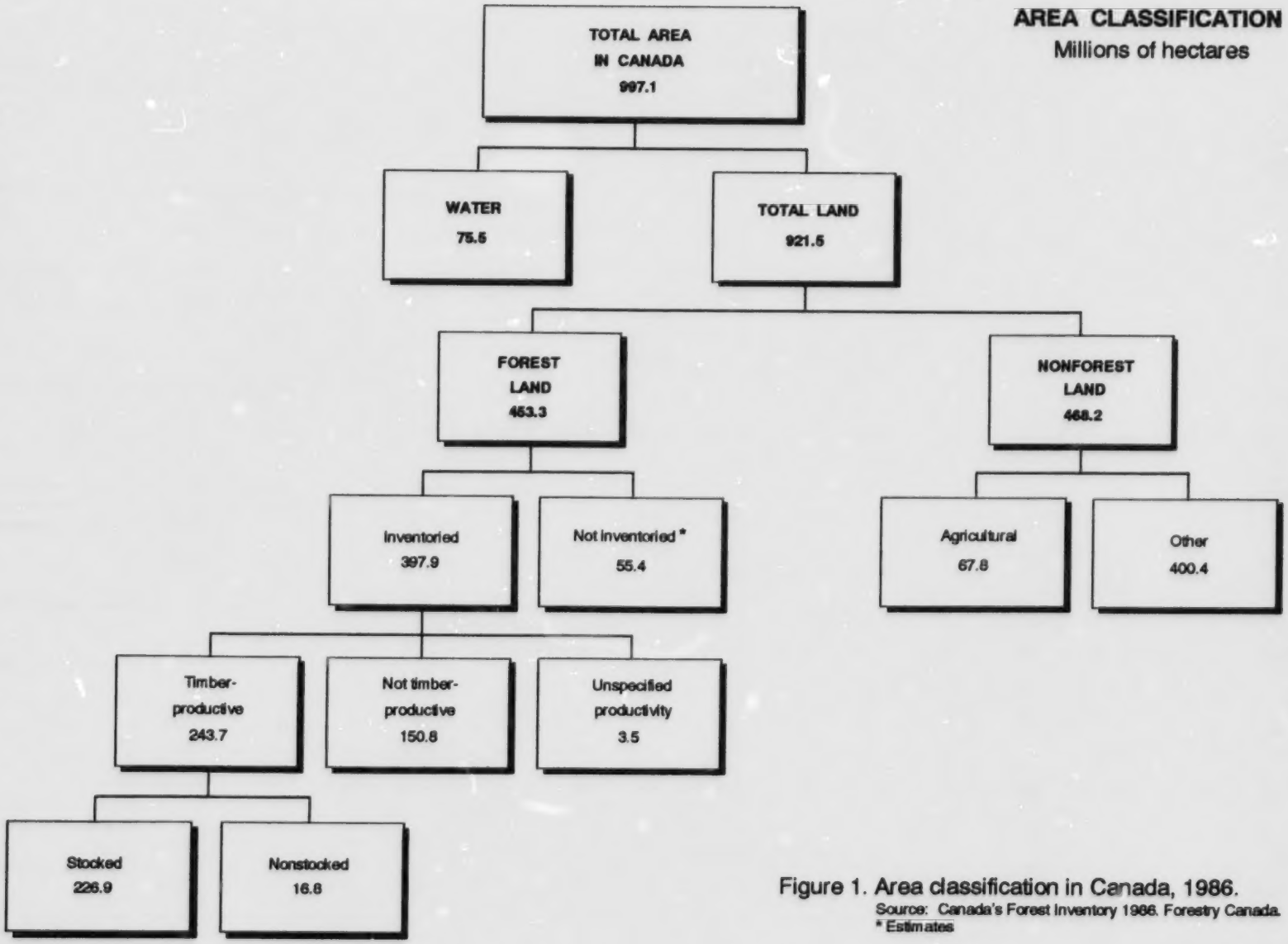

Figure 1. Area classification in Canada, 1986.
Source: Canada's Forest Inventory 1986. Forestry Canada.
* Estimates

I - 2. Inventoried Forest Land by Ownership, Class, and Province, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada[a]
A. Inventoried forest land							1 000 000 ha								
Federal	0.10	--	0.11	0.16	0.37	0.23	0.32	0.39	0.50	3.53	4.42	0.57	27.37	61.44	94.72
Provincial	21.79	0.02	1.09	3.09	25.99	75.33	39.72	23.45	22.78	32.99	79.22	57.70	..	..	277.92
Private-industrial	0.50	..	0.90	0.59	1.99	0.43	0.89	..	..	..	..	..	..	..	3.31
Private-nonindustrial	0.08	0.27	1.93	1.00	3.29	3.80	5.63	1.17	0.24	..	1.40	2.02	..	..	16.14
Private-unspecified	0.01	..	..	1.50	1.51	2.70	..	..	0.19	1.12	1.30	0.02	..	..	5.53
Municipal	-	..	..	..	..	..	..	0.12	..	0.01	0.13	..	..	..	0.13
Unclassified	..	..	..	..	..	-	0.05	..	..	0.10	0.10	..	..	..	0.15
Total[a]	22.48	0.29	4.04	6.34	33.15	82.49	46.60	25.12	23.71	37.75	86.58	60.31	27.37	61.44	397.92
B. Inventoried timber-productive forest land															
Federal	0.06	--	0.11	0.15	0.33	0.22	0.25	0.34	0.46	1.75	2.55	0.47	7.56	14.32	25.71
Provincial	10.71	0.02	1.02	2.96	14.71	47.97	32.34	13.49	15.03	22.86	51.18	48.65	..	..	194.85
Private-industrial	0.35	..	0.84	0.57	1.76	0.42	0.79	..	..	..	..	..	..	..	2.97
Private-nonindustrial	0.05	0.26	1.87	0.97	3.15	3.64	4.87	0.99	0.20	..	1.19	1.96	..	..	14.80
Private-unspecified	--	..	..	1.44	1.45	2.55	..	..	0.19	0.93	1.12	0.02	..	..	5.14
Municipal	..	..	..	..	..	..	..	0.10	..	0.01	0.11	..	..	..	0.11
Unclassified	--	..	..	..	..	..	0.05	..	..	0.09	0.09	..	..	..	0.14
Total[a]	11.18	0.28	3.85	6.09	21.39	54.79	38.29	14.92	15.89	25.44	56.25	51.10	7.56	14.32	243.70
C. Inventoried timber-productive nonreserved forest land															
Federal	--	--	0.02	0.12	0.15	0.08	0.25	0.10	0.14	0.03	0.27	0.27	7.49	13.74	22.24
Provincial	10.70	0.02	1.02	2.96	14.70	47.70	30.87	13.01	14.29	20.49	47.79	46.84	..	..	187.90
Private-industrial	0.35	..	0.84	0.57	1.76	0.42	0.79	..	..	..	..	..	..	..	2.97
Private-nonindustrial	0.05	0.26	1.87	0.97	3.14	3.64	4.87	0.99	0.20	..	1.19	1.96	..	..	14.80
Private-unspecified	--	..	..	1.44	1.45	2.55	..	..	0.19	0.93	1.12	0.02	..	..	5.14
Municipal	-	..	..	..	..	..	..	0.10	..	0.01	0.11	..	..	..	0.11
Total[a]	11.10	0.28	3.75	6.07	21.20	54.39	36.77	14.19	14.82	21.46	50.48	49.09	7.49	13.74	233.15
D. Inventoried, stocked, timber-productive, nonreserved forest land															
Federal	--	--	--	0.12	0.12	0.08	0.24	0.09	0.13	0.03	0.25	0.24	6.24	13.73	20.90
Provincial	10.00	0.02	0.95	2.95	13.92	45.55	27.76	11.47	12.79	19.67	43.93	43.06	..	..	174.22
Private-industrial	0.34	..	0.82	0.56	1.72	0.41	0.64	..	..	..	..	..	..	..	2.77
Private-nonindustrial	0.05	0.25	1.79	0.96	3.05	3.40	4.04	0.97	0.20	..	1.17	1.72	..	..	13.38
Private-unspecified	--	..	..	1.44	1.44	2.41	..	..	0.19	0.93	1.12	0.02	..	..	4.99
Municipal	-	..	..	..	..	..	..	0.09	..	0.01	0.10	..	..	..	0.10
Total[a]	10.39	0.26	3.58	6.05	20.28	51.85	32.68	12.62	13.31	20.64	46.57	45.05	6.24	13.74	216.41

[a]Total may not add up due to rounding.

Source: Forestry Canada, Canada's Forest Inventory 1986.

I - 3. Gross Merchantable Wood on Inventoried, Stocked, Timber-productive, Nonreserved Forest Land by Province, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada[a]
A. Maturity class (1 000 000 ha)															
Regeneration	2.76	0.02	0.43	0.53	3.74	7.38	1.18	1.21	1.07	1.85	4.13	1.69	0.95	0.74	19.79
Immature	0.61	..	2.15	2.66	5.42	9.20	12.33	8.96	5.37	8.93	23.26	15.00	3.96	8.59	77.76
Mature	1.15	..	0.77	2.67	4.59	22.67	11.56	2.17	1.36	6.98	10.51	28.28	1.33	4.39	83.33
Overmature	0.99	..	0.02	0.19	1.19	..	7.61	0.29	1.08	2.88	4.25	0.08	..	0.02	13.14
Uneven-aged	..	..	0.21	0.01	0.22	0.15	0.01	..	..	..	..	-	..	..	0.37
Unclassified	4.89	0.25	..	..	5.14	12.45	0.01	..	4.44	-	4.44	..	..	..	22.04
Total[a]	**10.39**	**0.26**	**3.58**	**6.05**	**20.28**	**51.85**	**32.68**	**12.62**	**13.31**	**20.64**	**46.57**	**45.05**	**6.24**	**13.74**	**216.41**
B. Maturity class (1 000 000 m^3)															
Regeneration	..	..	1	-	1	119	1	..	9	1	10	9	..	..	140
Immature	-	..	147	210	357	734	930	390	443	716	1 549	1 604	308	144	5 625
Mature	123	..	79	344	546	2 167	1 465	246	165	1 330	1 742	7 226	172	301	13 619
Overmature	122	..	3	17	142	..	1 132	43	163	608	814	28	..	1	2 117
Uneven-aged	..	..	15	1	15	18	1	..	..	..	..	..	..	..	34
Unclassified	280	26	..	..	306	1 187	..	..	125	..	125	..	—	..	1 618
Total	**525**	**26**	**244**	**571**	**1 366**	**4 225**	**3 529**	**680**	**905**	**2 656**	**4 240**	**8 867**	**480**	**446**	**23 154**
C. Species group (1 000 000 m^3)															
Softwoods	**487**	**16**	**150**	**362**	**1 015**	**3 020**	**2 205**	**444**	**536**	**1 684**	**2 664**	**8 180**	**436**	**315**	**17 834**
Spruce	107	10	85	168	370	1 774	1 335	264	205	920	1 389	1 958	320	..	7 146
Pine	..	..	12	23	36	246	578	158	130	695	984	2 162	82	..	4 087
Fir	117	5	43	120	285	884	188	10	13	47	70	1 400	..	..	2 827
Hemlock	..	..	8	7	15	28	17	..	..	..	..	1 217	..	..	1 278
Cedar and other conifers	..	1	..	39	40	85	72	1	..	..	1	688	..	..	885
Douglas-fir	..	..	..	..	..	..	..	..	..	2	2	694	..	..	696
Larch	3	1	2	4	10	4	15	10	4	3	17	60	..	..	105
Unspecified	260	..	..	..	260	..	..	..	184	16	200	..	34	315	808
Hardwoods	**38**	**10**	**94**	**209**	**351**	**1 204**	**1 325**	**236**	**370**	**972**	**1 578**	**688**	**44**	**131**	**5 320**
Aspen/poplar	3	2	7	42	53	295	685	201	289	822	1 311	599	36	..	2 979
Birch	26	2	23	57	108	529	361	20	22	33	75	50	3	..	1 126
Maple	..	5	54	87	147	297	200	..	1	..	1	7	..	..	652
Unspecified	10	1	10	24	44	84	79	15	58	117	191	32	6	131	566
Total	**525**	**26**	**244**	**571**	**1 366**	**4 225**	**3 529**	**680**	**905**	**2 656**	**4 241**	**8 867**	**480**	**446**	**23 154**

[a]Total may not add up due to rounding.

Source: Forestry Canada, Canada's Forest Inventory 1986.

I - 4. Gross Merchantable Wood on Inventoried, Mature and Overmature, Stocked, Timber-productive, Nonreserved Forest Land by Province, 1986

	Nfld.	P.E.I.[a]	N.S.	N.B.	Atlantic provinces	Que.[a]	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada[b]
A. Species group - mature/ overmature (1 000 000 ha)	**2.13**	..	**0.79**	**2.86**	**5.78**	**22.67**	**19.16**	**2.45**	**2.44**	**9.86**	**14.75**	**28.37**	**96.49**
Softwoods	**2.00**	..	**0.33**	**1.43**	**3.76**	..	**12.10**	**1.40**	**1.49**	**5.92**	**8.87**	**26.41**	**51.11**
Spruce	0.93	..	..	0.45	1.38	..	8.39	0.76	0.82	3.65	5.23	6.26	21.25
Pine	-	..	..	0.03	0.03	..	2.36	0.65	0.66	2.22	3.53	8.87	14.78
Fir	1.07	..	..	0.19	1.26	..	0.91	0.03	--	0.02	0.05	4.45	6.67
Hemlock	..	..	..	--	--	..	0.07	..	..	..	..	3.14	3.21
Douglas-fir	..	..	..	..	..	..	..	..	..	0.01	0.01	1.54	1.55
Larch	--	..	..	0.01	0.01	..	0.05	0.01	0.01	0.02	0.04	0.08	0.17
Unspecified	..	..	0.33	0.75	1.08	..	0.33	--	..	..	--	2.07	3.48
Hardwoods	**0.13**	..	**0.20**	**0.72**	**1.05**	..	**7.06**	**1.01**	**0.95**	**3.94**	**5.90**	**1.95**	**15.96**
Poplar	--	..	..	..	--	..	3.47	0.76	0.93	1.05	2.74	1.84	8.05
Birch	0.13	..	..	..	0.13	..	2.18	0.01	0.02	0.01	0.04	0.09	2.43
Maple	..	..	..	..	..	..	1.10	0.02	-	..	0.02	--	1.12
Unspecified	..	..	0.20	0.72	0.92	..	0.31	0.23	-	2.89	3.12	0.01	4.36
Unclassified	..	..	**0.27**	**0.71**	**0.98**	**22.67**	--	..	--	--	--	--	**29.39**
B. Species group - mature/ overmature (1 000 000 m^3)	**245.23**	..	**81.76**	**360.67**	**687.66**	**2 166.50**	**2 597.54**	**289.59**	**328.59**	**1 937.91**	**2 556.09**	**7 254.28**	**15 736.45**
Softwoods	**230.20**	..	**37.64**	**202.09**	**469.93**	..	**1 555.04**	**164.52**	**180.75**	**1 217.21**	**1 562.48**	**6 819.33**	**10 406.76**
Spruce	99.41	..	..	65.12	164.53	..	1 042.12	87.98	98.86	664.13	850.97	1 560.59	3 618.22
Pine	0.01	..	..	5.01	5.02	..	377.57	72.23	80.76	546.11	699.10	1 858.04	2 939.73
Fir	130.69	..	..	33.16	163.85	..	89.96	3.62	0.53	3.91	8.06	1 038.76	1 300.63
Hemlock	..	..	..	0.41	0.41	..	9.68	..	..	..	..	1 304.18	1 314.26
Douglas-fir	..	..	..	..	..	..	..	..	..	1.69	1.69	390.39	392.07
Larch	0.09	..	..	1.03	1.12	..	4.50	0.60	0.60	1.37	2.57	18.19	26.37
Unspecified	..	..	37.64	97.36	135.00	..	31.21	0.09	..	..	0.09	649.18	815.48
Hardwoods	**15.03**	..	**17.95**	**87.53**	**120.51**	..	**1 042.42**	**125.06**	**147.84**	**720.48**	**993.38**	**434.88**	**2 591.20**
Aspen/poplar	0.37	..	..	..	0.37	..	673.41	95.86	145.76	183.29	424.91	415.09	1 513.79
Birch	14.66	..	..	..	14.66	..	188.05	0.58	2.06	0.77	3.41	14.33	220.45
Maple	..	..	..	..	..	..	148.54	2.03	0.02	..	2.05	1.73	152.32
Unspecified	..	..	17.95	87.53	105.48	..	32.42	26.59	-	536.42	563.01	3.73	704.64
Unclassified	..	..	**26.16**	**71.07**	**97.23**	**2 166.50**	**0.09**	..	**0.02**	**0.23**	**0.25**	**0.07**	**2 738.48**

[a]No data.
[b]Includes unclassified species in Yukon (1.33 million ha, 172.39 million m^3) and Northwest Territories (4.41 million ha and 301.96 million m^3).

Source: Forestry Canada, Canada's Forest Inventory 1986.

I - 5. Silvicultural Statistics by Province, 1975-1989

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
A. Area harvested														
Clearcut (ha)	1975	15 700[e]	1 600[e]	27 260	94 400[e]	104 609[e]	140 896	15 700[e]	17 500	21 420	133 277	112	-	572 474
	1980	15 175	2 500[e]	35 000[e]	85 900[e]	199 920[e]	217 157	24 600[e]	16 930	24 056[b]	156 786	58	-	778 082
	1981	13 454	2 700[e]	35 000[e]	65 500[e]	204 000[e]	202 786	18 900	18 280	20 424[b]	125 148	45	-	706 237
	1982	8 000	2 700[e]	35 000[e]	72 445[e]	159 120[e]	200 337	20 400	15 830	27 864[b]	134 430	43	-	676 169
	1983	13 900	2 500[e]	20 100	77 490[e]	239 800[e]	153 086	14 100	19 690	34 870[b]	165 946	-	-	741 482
	1984	17 600	2 500[e]	29 900	78 850[e]	245 700[e]	187 319	15 700	21 910	29 290[b]	171 223	-	-	799 992
	1985	16 400	3 200[e]	28 800	82 720[e]	242 150[e]	185 172	15 900	19 693	34 612[b]	185 549	-	-	814 196
	1986	17 440	-	33 200	86 898	296 336	223 517	11 128	19 356	38 811	214 530	299	400	941 915
	1987	18 940	-	41 050	88 976	261 511	228 464	12 362	25 742	40 248	232 702	1 172	672	951 839
	1988	19 628	-	40 600	99 192	249 943	237 188	12 378	22 089	42 538	246 876	465	399	971 296
	1989	19 449	-	35 869	90 114	252 051	200 293	12 205	22 281	41 688	199 247	1 554	450	875 201
Total harvesting (ha)	1975	15 700[e]	1 600[e]	27 260	94 400[e]	135 094[e]	196 760[c]	15 700[e]	17 500	21 420	156 976	620	706	683 736
	1980	15 175	2 500[e]	36 439[e]	85 900[e]	245 000[d]	242 679[c]	24 600[e]	16 930	24 056[b]	187 834	58	742	881 913
	1981	13 454	2 700[e]	36 429[e]	65 500[e]	250 000[d]	227 603[c]	18 900	18 280	20 424[b]	147 889	45	903	802 127
	1982	8 000	2 700[e]	35 710[e]	72 445[e]	195 000[d]	222 921[c]	20 400	15 830	27 864[b]	162 172	43	427	763 512
	1983	13 900	2 500[e]	20 745[f]	81 570[e]	272 085[e]	183 208[c]	14 100	19 690	34 870[b]	188 228	321	870	832 087
	1984	17 600	2 500[e]	30 604[f]	83 000[e]	280 739[e]	217 806[c]	15 700	21 910	29 290[b]	198 453	561	1 075	899 238
	1985	16 400	3 200[e]	29 778[f]	87 070[e]	266 180[e]	217 984[c]	15 900	19 693	34 612[b]	210 397	135	990	902 339
	1986	17 440	2 350	34 121	86 898	297 616	223 517	11 128	19 356	38 811	239 877	299	400	971 813
	1987	18 940	2 725	42 266	88 976	329 300	228 464	12 362	25 742	40 248	259 982	1 172	672	1 060 849
	1988	19 628	2 731	41 421	99 192	337 668	237 188	12 378	22 089	42 538	270 401	465	399	1 066 098
	1989	19 449	2 421	36 733	90 114	342 231	230 308	12 205	22 281	41 688	218 384	1 554	450	1 017 818
B. Area of site preparation														
Prescribed burning (ha)	1975	-	-	-	300	-	-	-	-	-	60 615	-	-	60 915
	1980	115	-	-	656	-	2 362	-	-	217	26 896	-	-	30 246
	1981	76	-	129	2 284	-	2 409	-	-	-	18 372	-	-	23 270
	1982	8	-	65	1 952	-	5 277	-	-	-	29 993	-	-	37 295
	1983	8	-	2 088	50	-	4 501	-	-	-	34 457	-	-	41 104
	1984	414	-	2 644	-	56	3 830	-	-	-	39 713	-	-	46 657
	1985	225	-	77	-	246	8 461	-	-	-	44 090	-	-	53 099
	1986	-	-	-	-	-	11 346	-	-	-	72 203	-	-	83 549
	1987	-	16	-	-	-	11 390	-	-	-	102 674	-	-	114 080
	1988	-	-	-	-	-	4 259	-	-	-	72 742	-	-	77 001
	1989	56	277	-	-	-	10 810	100	-	-	60 108	-	-	71 351

I - 5. Silvicultural Statistics by Province, 1975-1989 (continued)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
B. Area of site preparation (continued)														
Scarification (ha)	1975	-	-	595	9 800	3 008	45 231	3 965	2 973	17 537	13 194	-	-	**96 303**
	1980	235	566	1 952	16 591[g]	6 993	50 624	3 836	7 633	12 585	20 529	-	-	**121 544**
	1981	1 097	280	1 879	20 374[h]	6 904	51 683	4 161	8 634	13 568	20 758	-	-	**129 338**
	1982	1 782	412	1 118	12 231	11 792	60 527	3 627	11 141	16 611	18 892	-	-	**138 133**
	1983	1 840	485	1 038	10 570	16 088	66 476	3 951	6 901	19 607	25 251	-	-	**152 207**
	1984	2 855	1 228	1 297	8 862	27 036	73 893	3 838	6 831	18 082	28 276	-	-	**172 198**
	1985	1 880	1 110	-	9 293	43 201	83 283	4 821	7 481	19 404	15 412	-	-	**185 885**
	1986	785	1 176	12 606	12 981	73 308	85 588	1 068	2 048	22 368	50 809	-	-	**262 737**
	1987	2 105	1 574	14 660	16 778	75 960	90 773	1 633	2 032	28 963	56 648	-	-	**291 126**
	1988	2 659	1 049	15 450	15 318	85 332	86 887	1 752	2 607	31 954	60 618	-	-	**303 626**
	1989	1 070	310	9 523	15 930	73 982	95 320	6 883	8 204	25 807	70 581	-	-	**307 610**
Total site preparation (ha)[i]	1975	-	-	595	10 100	3 008	45 231	3 965	3 918	17 537	73 809	-	-	**158 163**
	1980	379	566	8 010	24 926	13 903	56 620	4 055	7 633	12 802[j]	65 194	-	-	**194 088**
	1981	1 317	289	8 845	27 384	16 152	57 157	4 161	8 634	13 568[j]	54 893	-	-	**192 400**
	1982	1 856	511	7 410	18 601	14 800	70 984	3 627	11 141	16 611[j]	62 631	-	-	**208 172**
	1983	1 848	579	6 263	11 132	21 940	78 142	4 338	6 901	19 607[j]	73 439	-	-	**224 189**
	1984	3 769	1 485	7 984	8 862	29 902	86 932	4 839	6 831	18 082[j]	84 413	-	-	**253 099**
	1985	3 446	1 371	12 025	9 293	50 906	98 953	6 674	7 481	19 404[j]	91 421	-	-	**300 974**
	1986	1 831	1 279	16 583	12 981	91 818	110 152	7 958	5 786	22 368	133 709	-	-	**404 465**
	1987	3 726	1 617	16 291	16 778	112 447	116 226	7 898	8 721	28 963	177 024	-	-	**489 691**
	1988	4 000	821	15 451	15 318	99 559	106 479	8 078	8 301	31 954	151 546	-	-	**441 507**
	1989	3 859	1 364	11 129	16 563	117 259	124 404	7 454	8 524	25 807	171 300	-	-	**487 663**
C. Area planted														
Bare-root area (ha)	1975	-	40[e]	980	5 300	15 905	27 284	573	3 622	1 515	50 440	-	-	**105 659**
	1980	200	176	1 245	8 943	13 828	27 146	567	5 006	500	42 265	-	-	**99 876**
	1981	1 074	25	2 567	7 071	14 733	31 473	3 445	3 278	4 021	31 577	-	-	**99 264**
	1982	-	73	1 331	7 922	15 696	30 278	1 817	5 198	2 659	34 217	-	-	**99 191**
	1983	919	162	1 605	1 838	21 345	30 023	1 424	5 597	3 496	47 948	-	-	**114 357**
	1984	1 514	117	1 285	2 313	20 036	25 752	863	4 858	2 734	44 685	-	-	**104 157**
	1985	1 273	179	1 786	1 573	26 958	33 391	1 398	5 276	2 701	43 640	-	-	**118 175**
	1986	269	113	2 350	1 688	26 010	33 690	871	4 079	5 433	22 579	-	-	**97 082**
	1987	1 856	106	3 134	1 034	29 350	38 093	2 961	2 908	4 942	31 151	-	-	**115 535**
	1988	1 814	87	1 560	803	30 000	38 629	3 794	6 276	4 530	16 156	-	-	**103 649**
	1989	1 072	153	1 322	179	52 140	41 754	2 791	5 475	4 018	31 730	-	-	**140 634**

I - 5. Silvicultural Statistics by Province, 1975-1989 (continued)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
C. Area planted (continued)														
Bare-root seedlings (000)	1975	-	100[e]	2 495	13 096	36 582	45 984[e]	1 335	5 242	2 273	58 257	-	-	165 364
	1980	500	381	2 570	19 835	34 573	65 360	1 164	9 480	799	49 737	-	-	184 399
	1981	2 243	63	6 915	16 376	35 221	69 448	4 000	6 165	6 084	37 173	-	-	183 688
	1982	-	177	3 673	11 250	37 579	63 660	3 772	10 181	6 220	40 261	-	-	176 773
	1983	2 101	452	4 682	3 414	53 354	65 754	3 555	10 802	6 474	54 860	-	-	205 448
	1984	4 009	315	3 521	4 910	50 081	49 661	2 236	9 207	3 217	51 794	-	-	178 951
	1985	2 859	407	4 748	3 257	67 394	67 232	3 402	9 785	3 732	48 072	-	-	210 888
	1986	591	357	7 239	4 411	61 653	70 546	2 145	7 280	7 421	27 438	-	-	189 081
	1987	4 640	252	8 586	3 932	70 328	84 947	6 967	5 327	6 931	37 017	-	-	228 927
	1988	4 331	196	3 389	2 151	72 186	81 818	8 472	9 415	6 841	19 078	-	-	207 877
	1989	2 309	348	3 225	393	68 167[e]	89 771	5 784	10 179	6 315	38 437	-	-	224 928
Container area (ha)	1975	-	80[e]	445	1 375	-	2 766	543	41	3 498	12 638	-	-	21 386
	1980	160	247	2 496	13 095	13	4 934	195	784	3 032	21 410	-	-	46 366
	1981	779	465	2 518	15 050	1 142	6 634	689	735	1 474	35 028	-	-	64 514
	1982	802	402	2 918	14 536	1 381	7 564	386	845	2 739	48 578	-	-	80 151
	1983	917	372	2 415	18 147	4 564	18 148	396	773	4 051	46 778	-	-	96 561
	1984	913	456	3 651	17 093	9 188	37 242	845	-	11 061	55 347	-	-	135 796
	1985	1 489	715	4 798	17 880	12 169	38 693	2 771	-	6 528	57 802	-	-	142 845
	1986	533	446	6 810	18 829	38 689	40 167	3 275	403	9 266	90 312	-	-	208 730
	1987	2 938	816	6 745	17 882	62 950	35 160	2 733	202	8 337	132 893	-	-	270 656
	1988	2 654	885	10 095	18 320	69 880	42 396	3 232	744	14 128	149 215	-	-	311 549
	1989	2 314	620	8 440	20 093	51 000	40 006	3 892	529	20 236	140 357	1	-	287 408
Container seedlings (000)	1975	-	200[e]	1 100	3 398	-	4 791[e]	1 266	90	5 247	14 564	-	-	30 656
	1980	398	588	5 514	30 951	29	10 497	400	1 235	10 528	25 235	-	-	85 375
	1981	1 625	1 150	6 906	36 061	2 456	13 951	800	1 359	8 731	41 127	-	-	114 166
	1982	1 803	996	7 541	28 842	2 881	16 465	800	1 571	7 913	57 442	-	-	126 254
	1983	2 001	1 042	7 037	39 276	10 118	39 211	1 038	340	10 114	53 518	-	-	163 696
	1984	2 194	1 231	9 859	36 363	22 062	76 656	2 274	-	13 058	64 161	-	-	227 858
	1985	3 075	1 625	12 759	37 589	29 147	79 530	6 022	-	8 233	63 672	-	-	241 652
	1986	1 193	1 407	17 291	43 792	87 915	84 109	8 066	721	12 065	109 770	-	-	366 329
	1987	7 375	2 201	18 491	41 782	145 437	78 407	6 432	370	11 360	158 752	-	-	470 607
	1988	6 298	2 009	27 617	43 469	162 725	89 795	7 217	1 117	18 193	176 246	-	-	534 886
	1989	5 248	1 402	21 350	43 188	166 890[e]	86 012	7 757	1 298	20 550	170 137	1	-	523 833

I - 5. Silvicultural Statistics by Province, 1975-1989 (continued)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
C. Area planted (concluded)														
Total area planted (ha)	1975	-	120[e]	1 425	6 675	15 905	30 050	1 116	3 663	5 013	63 078	-	-	**127 045**
	1980	360	423	3 741	22 038	13 841	32 080	762	5 790	3 532[k]	63 675	-	-	**146 242**
	1981	1 853	490	5 085	22 121	15 875	38 107	4 134	4 013	5 495[k]	66 605	-	-	**163 778**
	1982	802	475	4 249	22 458	17 077	37 842	2 203	6 043	5 398[k]	82 795	-	-	**179 342**
	1983	1 836	534	4 020	19 985	25 909	48 171	1 820	6 370	7 547[k]	94 726	-	-	**210 918**
	1984	2 427	573	4 936	19 406	29 224	62 994	1 708	4 858	13 795[k]	100 032	-	-	**239 953**
	1985	2 762	894	6 584	19 453	39 127	72 084	4 169	5 276	9 229[k]	101 442	-	-	**261 020**
	1986	802	559	9 160	20 517	64 699	73 857	4 146	4 482	14 699	115 739	-	-	**306 660**
	1987	4 794	922	9 879	18 916	92 300	73 253	5 694	3 110	13 279	169 002	-	-	**391 149**
	1988	4 468	972	11 655	19 123	99 880	81 025	7 026	7 020	18 658	169 485	-	-	**419 312**
	1989	3 386	773	9 762	20 272	103 140	81 760	6 683	6 004	24 254	174 310	-	-	**430 345**
Total seedlings planted (000)	1975	-	300[e]	3 595	16 494	36 582	50 775[e]	2 601	5 332	7 520	72 821	-	-	**196 020**
	1980	898	969	8 084	50 786	34 602	75 857	1 564	10 715	11 327	74 972	-	-	**269 774**
	1981	3 868	1 213	13 821	52 437	37 677	83 399	4 800	7 524	14 815	78 300	-	-	**297 854**
	1982	1 803	1 173	11 214	40 092	40 460	80 125	4 572	11 752	14 133	97 703	-	-	**303 027**
	1983	4 102	1 494	11 719	42 690	63 472	104 965	4 593	11 142	16 588	108 378	-	-	**369 143**
	1984	6 203	1 546	13 380	41 273	72 143	126 317	4 510	9 207	16 275	115 955	-	-	**406 809**
	1985	5 934	2 032	17 507	40 846	96 541	146 762	9 424	9 785	11 965	111 744	-	-	**452 540**
	1986	1 784	1 764	24 530	48 203	149 568	154 655	10 211	8 001	19 486	139 871	-	-	**558 073**
	1987	12 015	2 453	27 077	45 714	215 765	163 354	13 399	5 697	18 291	200 009	-	-	**703 774**
	1988	10 629	2 205	31 006	45 620	234 911	171 613	15 689	10 532	25 034	198 712	-	-	**745 951**
	1989	7 557	1 750	24 575	43 581	235 057	175 783	13 541	11 477	26 865	210 423	1	-	**750 609**
D. Area of direct seeding (ha)	1975	-	-	-	125	5 693	23 510	223	-	4 747	-	-	-	**34 296**
	1980	36	-	-	-	9 949	47 294	1 093	-	6 635[l]	-	-	-	**65 007**
	1981	54	-	-	172	9 525	27 869	272	-	4 701[l]	-	-	-	**42 593**
	1982	230	-	55	9	14 506	29 991	118	-	5 370[l]	-	-	-	**50 279**
	1983	-	-	-	-	6 116	21 246	697	-	8 974[l]	315	-	-	**37 348**
	1984	-	-	-	-	8 649	16 229	145	-	8 436[l]	284	-	-	**33 743**
	1985	-	-	-	-	1 002	18 894	-	-	6 293[l]	-	-	-	**26 189**
	1986	-	-	-	-	189	20 565	-	-	4 840	-	-	-	**25 594**
	1987	810	-	-	-	137	26 310	27	-	9 947	-	-	-	**37 231**
	1988	-	-	-	-	-	27 539	35	-	10 187	-	-	-	**37 761**
	1989	1 305	-	-	-	90	32 969	1 579	102	6 553	-	-	-	**42 598**

I - 5. Silvicultural Statistics by Province, 1975-1989 (concluded)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.[a]	Yukon	N.W.T.	Canada
E. Area of stand tending (ha)	1975	213	-	1 334	-	..	33 277	562	12	143[n]	1 841	-	-	37 382
	1980	3 006	49	7 451	18 924	10 829	51 036	263	121	215[n]	30 877	-	-	122 771
	1981	4 248	353	9 264	17 618	12 686	41 444	-	404	634[n]	37 677	-	-	124 328
	1982	4 750	1 112	5 923	18 263	6 446[m]	54 506	-	260	695[n]	26 031	-	-	117 986
	1983	5 559	814	7 133	30 488	15 960	47 560	1 559	791	245[n]	15 739	-	-	125 848
	1984	6 205	707	13 115	40 040	21 220	69 994	4 592	1 817	510[n]	30 865	-	-	189 065
	1985	6 795	856	16 526	45 700	19 800	92 838	2 944	712	1 005[n]	29 416	-	-	216 592
	1986	5 785	759	21 682	38 313	17 579	95 921	827	605	825	73 499	-	-	255 795
	1987	4 873	542	15 795	48 483	33 091	101 476	1 745	112	321	92 271	-	-	298 709
	1988	4 556	527	13 008	53 114	50 985	97 136	598	1 142	2 797	75 347	-	-	289 210
	1989	4 505	706	14 874	55 398	32 100	127 839	301	1 873	4 725	117 245	-	-	359 566
F. Area of pest control (ha)	1975	-	-	-	2 695 000	2 800 000[e]	14 167	-	-	-	1 785	-	-	5 510 952
	1980	-	-	25 670	1 900 000	188 511	36 422	-	-	-	1 564	-	-	2 152 167
	1981	-	-	31 195	1 693 000	705 164	22 477	-	-	-	3 830	-	-	2 455 666
	1982	-	-	19 153	1 867 570	1 298 495	28 685	-	-	-	-	-	-	3 213 903
	1983	-	-	20 726	1 245 000	1 253 605	43 770	-	12	-	2 374	-	-	2 565 487
	1984	-	-	20 537	732 000	712 282	47 280	428	434	-	3 948	-	-	1 516 909
	1985	145 086	-	49 719	545 000	698 343	10 339	760	-	-	3 488	-	-	1 452 735

[a]Provincial Crown land only 1975 to 1985. Private lands are included from 1986.
[b]From 1980-1981 to 1985-1986, an additional 39 631 ha were cleared of aspen under a special stand conversion program and were not harvested in the commercial sense.
[c]Other harvesting in uneven-aged stands. Figures do not include harvesting methods, termed as regeneration, conducted in largely hardwood forests. Strip cutting, seed tree cutting, shelterwood cutting, and clearcutting covered an area of 138 956 ha from 1980-1981 to 1985-1986.
[d]Includes cutovers on private land.
[e]Estimated.
[f]Includes shelterwood harvesting.
[g]Includes 1 286 ha of burning and scarification.
[h]Includes 870 ha of burning and scarification and 108 ha of chemical treatment and scarification.
[i]Includes Other site preparation.
[j]From 1980-1981 to 1985-1986, an additional 40 359 ha were scarified under a special stand conversion program.
[k]From 1980-1981 to 1985-1986, an additional 41 259 ha were planted under a special stand conversion program.
[l]From 1980-1981 to 1985-1986, an additional 1 766 ha were directly seeded under a special stand conversion program.
[m]Precommercial thinning only. Data on other treatments are not available.
[n]Thinning only.

Sources: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada and unpublished figures 1986-1989. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada.

SILVICULTURE

Million hectares

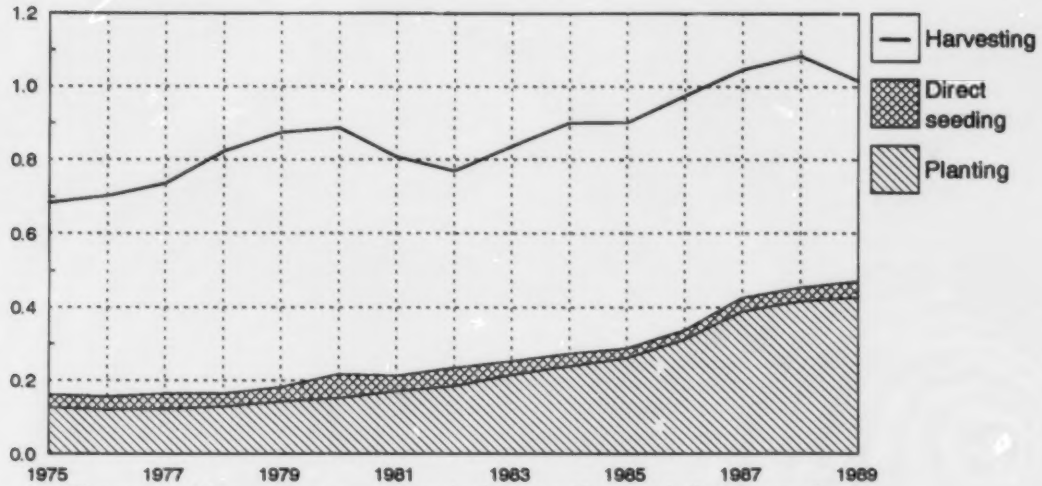

Figure 2. Harvesting compared with planting and direct seeding in Canada, 1975-1989.

Source: Kuhnke, D.H. Silviculture statistics for Canada: An 11-year summary. Forestry Canada and unpublished figures 1986-1989. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada.

SILVICULTURE

Thousand hectares

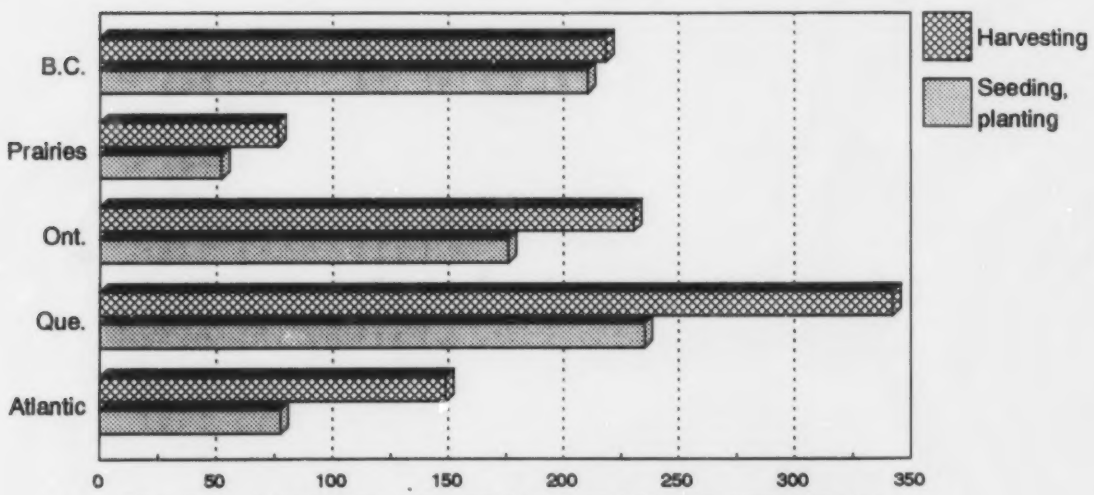

Figure 3. Harvesting compared with artificial regeneration by region, 1989.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada and unpublished figures 1986-1989. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada.

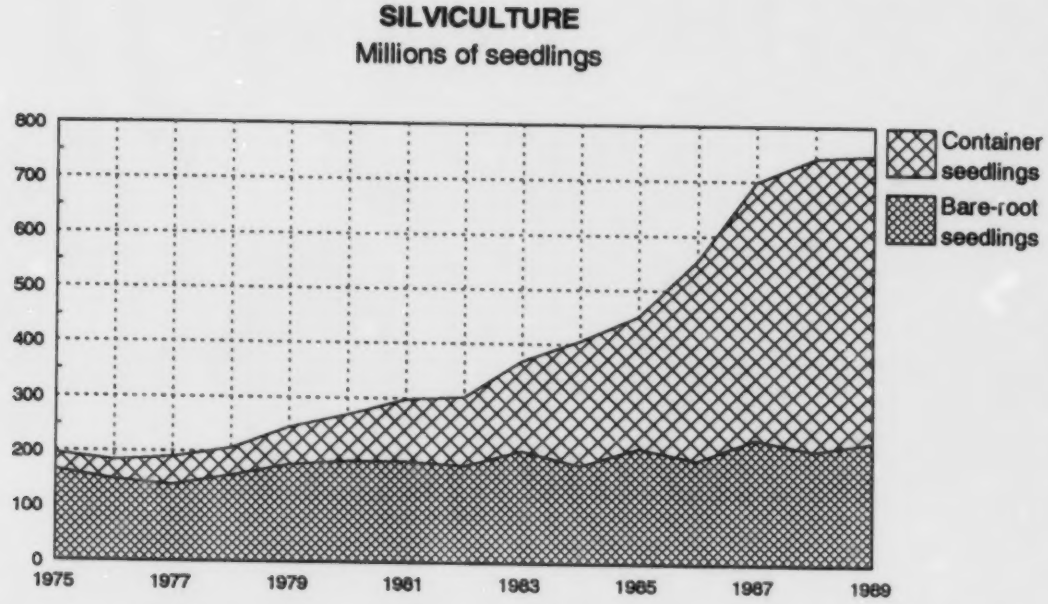

Figure 4. Artificial regeneration by stock type, 1975-1989.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada and unpublished figures 1986-1989. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada.

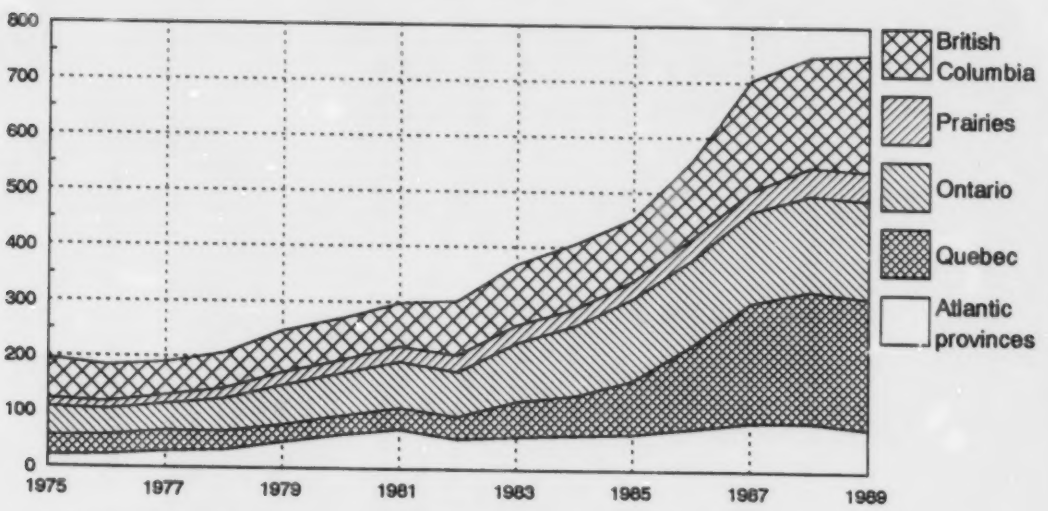

Figure 5. Artificial regeneration by region, 1975-1989.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada and unpublished figures 1986-1989. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada.

I - 6. Silvicultural Treatments (Area) Performed Under Forest Economic and Regional Development Agreements, 1984-1988[a]

	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.[b]	Ont.	Man.	Sask.	Alta.	B.C.	Canada
						hectares						
A. Site preparation	1984	-	648	4 857	224	-	39 475	447	3 986	-	-	49 637
	1985	-	1 483	8 343	1 652	65 754	14 855	588	5 261	-	14 270	112 206
	1986	772	1 416	11 611	1 168	81 682	53 069	2 050	2 269	1 608	19 253	174 898
	1987	2 113	1 600	14 275	1 339	90 956	29 494	1 436	5 280	3 670	29 211	179 374
	1988	5 658	264	10 300	2 414	82 971	19 959	1 177	7 137	504	28 326	158 710
B. Planting and direct seeding	1984	-	347	3 030	12 130	-	13 992	1	-	-	-	29 500
	1985	-	492	3 776	14 747	35 832	18 753	638	2 882	-	13 953	91 073
	1986	797	699	5 059	15 649	55 227	13 799	993	3 177	-	20 467	115 867
	1987	5 056	911	9 463	14 312	76 092	24 596	353	2 028	1 395	29 606	163 812
	1988	10 124	955	10 564	11 425	94 579	21 898	3 090	4 169	3 136	36 987	196 927
C. Stand tending	1984	-	1 037	11 580	5 378	-	8 806	618	56	-	-	27 475
	1985	-	1 160	16 762	24 183	14 561	10 605	339	764	30	5 546	73 950
	1986	6 788	1 217	17 299	8 758	16 119	28 751	642	629	55	34 587	114 845
	1987	6 002	1 256	19 697	9 215	29 076	22 707	1 563	298	6 328	59 265	155 407
	1988	11 496	171	11 692	13 857	38 793	13 512	610	1 047	7 828	59 852	158 858
D. Silvicultural treatments[c]	1984	-	2 032	19 467	17 732	-	62 273	1 066	4 042	-	-	106 612
	1985	-	3 135	28 881	40 582	116 147	44 213	1 565	8 907	30	33 769	277 229
	1986	8 357	3 332	33 969	25 575	153 028	95 619	3 685	6 075	1 663	74 307	405 610
	1987	13 171	3 767	43 435	24 866	196 124	76 797	3 352	9 606	11 393	118 082	498 593
	1988	27 278	1 390	32 556	27 696	216 343	55 369	4 877	12 353	11 468	125 165	514 496
E. Pest control	1984	-	-	-	-	-	-	-	-	-	-	-
	1985	-	-	-	-	30 949	-	1 066	-	-	-	32 015
	1986	-	-	-	-	14 633	30	-	-	-	-	14 663
	1987	-	-	-	-	7 100	507	792	-	-	-	8 399
	1988	-	-	-	-	15 991	250	-	-	-	-	16 241

[a] 1984 for fiscal year 1984-1985 ... 1988 for 1988-1989.
[b] Forest Development Subsidiary Agreement and Gaspé and Lower St. Lawrence Program.
[c] Excluding pest control.

Source: Kuhnke, D.H. Forest management statistics for Canada, 1977-1988: Silviculture statistics supplement. Forestry Canada.

I - 7. Silvicultural Treatments (Value) Performed Under Forest Economic, and Regional Development Agreements, 1984-1988[a]

	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.[b]	Ont.	Man.	Sask.	Alta.	B.C.	Canada
						$000						
A. Site preparation	1984	-	140	716	43	-	8 350	140	489	-	-	9 878
	1985	-	309	1 265	270	13 299	1 122	176	777	-	3 506	20 724
	1986	142	281	2 015	193	18 699	8 231	396	275	2 023	9 416	41 671
	1987	413	340	2 400	257	23 782	4 703	241	841	937	9 934	43 850
	1988	460	65	2 235	295	27 038	4 059	197	1 040	67	9 504	44 961
B. Planting and direct seeding	1984	-	69	1 052	4 065	-	2 855	235	422	-	-	8 698
	1985	-	102	1 352	4 791	11 745	6 537	400	1 171	-	3 436	29 534
	1986	290	179	2 552	5 220	19 813	2 970	339	1 340	12	6 971	39 686
	1987	1 887	197	3 355	4 556	26 096	7 418	1 512	1 637	307	12 795	59 760
	1988	2 323	268	3 491	4 078	34 425	7 520	1 728	1 772	903	14 782	71 289
C. Stand tending	1984	-	474	2 260	2 954	-	1 173	587	11	-	-	7 458
	1985	-	602	4 110	5 210	6 571	1 966	148	240	54	2 151	21 051
	1986	3 639	610	5 005	4 923	6 108	4 923	291	240	23	7 439	33 199
	1987	2 745	718	5 564	6 122	10 229	5 277	1 597	78	560	24 059	56 947
	1988	2 418	64	4 230	7 106	14 818	3 661	535	278	638	23 496	57 243
D. Silvicultural treatments[c]	1984	-	683	4 028	7 061	-	12 378	962	922	-	-	26 034
	1985	-	1 014	6 727	10 271	31 616	9 624	724	2 188	54	9 093	71 310
	1986	4 070	1 069	9 572	10 337	44 620	16 124	1 026	1 854	2 058	23 826	114 554
	1987	5 045	1 255	11 319	10 935	60 108	17 398	3 350	2 556	1 804	46 788	160 556
	1988	5 201	397	9 956	11 478	76 281	15 241	2 459	3 090	1 608	47 781	173 492
E. Pest control	1984	-	-	-	-	-	-	-	-	-	-	-
	1985	-	-	17	-	731	-	249	-	-	200	1 197
	1986	403	-	89	-	740	31	-	32	-	-	1 296
	1987	-	-	142	-	425	21	46	-	-	-	634
	1988	289	-	-	-	822	16	-	10	130	-	1 267

[a] 1984 for fiscal year 1984-1985, ... 1988 for 1988-1989.
[b] Forest Development Subsidiary Agreement and Gaspé and Lower St. Lawrence Program.
[c] Excluding pest control.

Source: Kuhnke, D.H. Forest management statistics for Canada, 1977-1988: Silviculture statistics supplement. Forestry Canada.

I - 8. Forest Fire Statistics by Province, 1980-1990

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	National Parks	Canada
A. Number of fires[a]														
1980	60	16	439	389	947	1 779	1 082	743	1 348	1 743	150	345	100	9 141[b]
1981	131	40	449	275	1 114	1 656	712	965	1 522	2 737	91	311	142	10 145
1982	165	53	491	487	1 202	1 396	425	596	1 256	2 205	204	357	104	8 941
1983	138	55	332	456	1 653	2 244	535	437	756	1 705	198	337	84	8 930
1984	101	38	446	395	683	1 240	692	549	1 370	3 063	168	311	161	9 217
1985	289	52	583	851	880	887	346	520	939	3 604	110	150	146	9 357
1986	193	95	510	354	851	1 088	217	493	585	2 194	217	206	84	7 087
1987	287	52	590	653	992	1 923	519	980	1 238	3 477	125	374	94	11 304
1988	116	21	328	438	1 331[c]	3 260	982	1 064	872	1 951	115	190	73	10 741
1989	192	30	425	392	1 167[c]	2 430	1 226	1 020	795	3 520	244	613	131	12 185
1990	197	38	498	377	851[c]	1 614	570	897[c]	1 296	3 255	154	236	128	10 111
B. Area burned - total forest land (ha)														
1980	954	67	953	2 815	31 573	560 325	514 292	1 348 792	672 460	65 578	130 781	1 214 396	279 164	4 822 150
1981	13 087	146	370	389	2 480	179 473	396 454	1 647 971	1 365 600	106 593	35 159	984 932	680 711	5 413 365
1982	4 392	131	617	6 537	7 970	3 892	15 444	64 586	679 683	348 693	254 891	302 150	8 605	1 697 591
1983	16 792	321	449	1 852	238 903	443 655	99 153	52 172	2 818	67 365	43 006	226 841	848	1 194 175
1984	7 743	202	598	580	3 082[d]	120 424	130 189	321 235	78 966	19 908	19 895	41 074	21 486	765 382
1985	153 115	181	1 077	4 144	2 697[d]	1 007	11 823	110 128	12 920	234 647	15 131	204 745	5 645	757 260
1986	108 831	512	833	39 099	197 226	145 561	10 342	13 159	2 692	16 927	90 568	321 710	2 663	950 123
1987	17 129	113	560	1 199	36 835	75 582	169 520	226 494	36 113	34 541	88 326	399 077	141	1 085 629
1988	1 780	17	334	1 978	275 722	390 706	485 654	81 109	14 538	11 482	6 310	66 109	331	1 336 070
1989	68 156	195	462	343	2 109 512[c]	403 886	3 567 948	470 510	6 411	25 381	328 347	577 585	834	7 559 570
1990	47 317	102	1 068	6 114	83 343[c]	183 693	16 365	187 349[c]	30 534	75 778	169 601	104 616	25 041	930 921
C. Area burned - timber-productive forest land (ha)[e]														
1980	680	-	509	2 116	4 902	330 825	304 049	89 237	465 106	32 743	111 537	12 975	..	1 354 679
1981	2 893	22	153	..	2 170	40 817	220 336	..	943 768	57 277	12 735	25 643	..	1 305 814
1982	4 392	25	..	5 304	7 202	297	7 094	..	457 987	280 676	68 127	2 536	..	833 640
1983	107	50	80	1 315	206 952	74 663	66 962	9 478	1 216	32 848	14 805	1 188	..	409 664
1984	1 565	8	164	270	2 397[d]	2 219	51 099	47 281	35 259	12 227	6 995	134	21 366	180 984
1985	40 457	4	186	1 301	1 952[d]	127	5 367	9 020	3 820	54 231	11 407	6	4 927	132 806
1986	23 511	85	312	37 216	173 296	50 598	5 495	4 031	1 587	9 474	3 132	11	2 663	311 411
1987	10 622	16	236	895	27 849	5 461	84 266	129 332	24 295	22 308	1 150	10	..	306 439
1988	7	2	50	1 693	273 066	35 994	295 930	24 187	5 150	3 284	288	3	..	639 654
1989	2 651	2	122	280	2 108 206[f]	4 990	1 539 180	137 404	2 995	11 089	70 439	-	..	3 877 358
1990	2 601	4	477	5 198	76 825[c]	3 200	6 727	71 198[c]	21 281	52 575	16 704	-	..	256 790

I - 8. Forest Fire Statistics by Province, 1980-1990 (concluded)

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	National Parks	Canada
D. Fire control expenditure - budgeted costs ($000)														
1980	3 250	..	1 924	339	19 170	20 708	3 031	790	7 829	7 718	2 855	3 750	–	**71 364**[b]
1981	2 400	9	1 226	425	20 775	26 800	1 000	780	22 198	6 995	4 428	3 800	2 629	**93 465**
1982	3 300	25	585	486	19 800	24 800	8 461	1 082	32 684	6 456	3 792	4 200	1 385	**107 056**
1983	3 428	24	624	1 072	23 200	24 500	8 500	8 000	19 075	50 000	5 746	9 667	1 649	**155 485**
1984	1 735	30	..	1 186	22 800	26 000	7 600	9 020	19 658	46 000	5 900	5 495	2 240	**147 665**
1985	1 748	165	2 722	410	26 087	20 900	7 800	7 964	27 266	45 345	5 500	5 600	2 276	**153 783**
1986	1 801	49	..	500	25 753	31 000	8 200	11 645	18 017	..	3 300	5 815	2 731	**108 811**
1987	1 760	37	..	534	25 135	35 000	7 887	13 678	17 600	..	5 000	6 600	2 399	**115 630**
1988	..	76	..	585	29 145	45 500	6 793	14 584	16 486	27 460	5 000	8 160	3 200	**156 989**
1989	2 234	90	..	615	30 019	31 100	9 500	14 532	19 227	27 460	5 800	8 312	3 200	**152 069**
1990	2 093	80	3 754	676	30 750[c]	39 000	8 949	17 855[d]	13 169	49 800	5 900	10 798	3 558	**186 382**
E. Fire control expenditure - fire-fighting costs ($000)[a]														
1980	420	..	300	770	1 869	56 183	7 155	15 311	37 341	18 024	2 045	11 800	3 370	**154 591**[b]
1981	665	13	120	263	2 369	2 700	7 353	21 995	51 830	39 223	3	7 582	1 769	**135 891**
1982	130	-	186	3 010	3 249	16 999	2 725	8 250	55 912	42 258	532	7 283	1 031	**141 565**
1983	50	-	159	2 229	11 803	20 000	8 259	7 589	16 214	24 800	1 478	7 700	300	**100 581**
1984	592	34	250	517	1 100	7 500	7 337	14 724	7 804	37 500	1 300	4 800	2 018	**85 474**
1985	2 247	177	304	1 045	1 831	2 500	1 634	9 109	9 234	101 479	676	3 513	2 391	**136 140**
1986	4 372	92	276	9 000	5 192	16 500	1 234	11 645	13 284	21 539[e]	3 700	13 180	2 294	**102 308**
1987	3 060	31	..	2 834	4 042	23 100	15 148	33 794	25 286	35 836[e]	550	9 320	2 320	**155 321**
1988	6 091	65	358	2 100	8 901	57 100	17 769	31 798	33 002	53 000	612	6 102	100	**216 998**
1989	7 055	81	443	1 200	8 912	45 400	63 500	42 953	22 397	64 000	7 000	16 750	500	**280 191**
1990	986[h]	48	318	4 800	7 975[e]	31 100	11 875	32 533[d]	51 416[h]	88 825[h]	6 500	8 834	3 274	**248 484**

[a]Approximately 60% of the forest fires have a known human cause, 35% are caused by lightning, and 5% have an unknown cause.
[b]Includes other federal lands.
[c]Includes intensive and limited zones.
[d]Does not include limited protection zone, includes intensive protection zone only.
[e]Productive forest land includes merchantable timber, and regeneration and immature forests.
[f]Includes intensive and limited zones; 2 103 015 ha burned in limited zones.
[g]Does not include air tankers and "rappelled" helicopter operations.
[h]Data estimated by the provincial government.

Note: Because of differences in administrative and accounting procedures, direct comparisons between provinces and other jurisdictions are difficult and potentially misleading. The function of these data is to show the order of magnitude of forest fire control expenditures and monetary losses in Canada as well as to provide a record of the annual trend. The values are the best available, but their limitation should be recognized.

Source: Ramsey, G.S.; Higgins, D.G. Canadian Forest Fire Statistics 1980 and Canadian Forest Fire Statistics 1981, 1982, 1983, 1984-1987. Forestry Canada and unpublished figures 1988-1990.

I - 9. Statistics on Forest Insect and Disease Conditions - Estimated Average Annual Depletion Caused by Important Pests, 1982-1986p

Type	Average annual mortality volume	Growth reduction	Wood destruction	Total
		1 000 000 m^3		
A. Insects				
Spruce budworms				
Nfld.	0.99	..	-	0.99
P.E.I.	0.02	..	-	0.02
N.S.	1.30	..	-	1.30
N.B.	1.95	..	-	1.95
Que.	18.10	..	-	18.10
Ont.	9.72	..	-	9.72
Total	32.08	9.7	-	41.78
Mountain pine beetle	11.20	..	-	11.20
Spruce beetle	2.21	..	-	2.21
Other bark beetles	0.11	..	-	0.11
Aspen defoliators	..	8.0	-	8.0
Miscellaneous defoliators	0.64	0.8	-	0.72
Total	**46.24**	**18.5**	-	**64.74**
B. Diseases				
Dwarf mistletoes	...	3.8	-	3.8
Hypoxylon canker	11.2	..	-	11.2
Decays	...	...	25.0	25.0
Miscellaneous diseases	4.9	..	-	4.9
Total	**16.1**	**3.8**	**25.0**	**44.9**
Total insects and diseases	**62.3**	**22.3**	**25.0**	**109.64**

Source: Sterner, T.E.; Davidson, A.G. (compilation) and regional centers (collaboration). Forest Insect and Disease Conditions in Canada 1991. Forestry Canada.

I - 10. Selected Major Pests - Estimates of Areas of Moderate to Severe Defoliation, 1986-1990

Pest/ province	1986	1987	1988	1989	1990
			1 000 ha		
Spruce budworms	12 385	8 479	6 335	7 738	8 738
New Brunswick	927	430	500	398	237
Quebec	2 100	740	434	700	870
Ontario	8 856	7 190	5 225	6 240	6 780
Other[a]	504	119	176	401	851
Jack pine budworm	2 052	508	737	248	30
Ontario	1 744	505	737	248	30
Manitoba	132	1	-	-	-
Saskatchewan	176	2	-	-	-
Mountain pine beetle[b]					
British Columbia	94	66	63	53	41
Hemlock looper					
Newfoundland	215	150	13	9	3
Forest tent caterpillar	2 007	3 813	8 350	10 715	10 615
Quebec	479	562	582	372	92
Ontario	433	1 650	3 965	7 915	9 480
Saskatchewan	398	250	932	791	261
Alberta	602	1 322	2 766	1 190	609
Other	96	29	105	447	215
Gypsy moth					
Ontario	168	13	30	82	78

[a]Includes light to moderate defoliation in British Columbia (59 000, 36 000, 124 000, and 190 000 ha for 1987, 1988, 1989, and 1990 respectively).
[b]Areas where beetle-killed trees occurred.

Source: Moody, B.H. (compilation) and regional centres (collaboration). Forest Insect and Disease Conditions in Canada. 1985-1988. Forestry Canada and unpublished figures for 1989 and 1990.

I - 11. Public and Industry Expenditures on Forest Management Activities, 1977-1989[a]

Source	Year	Silviculture	Forest protection	Resource access	Research	Inventory	Timber management	Administration	Other[b]	Total[c]
					$000 000					
Provincial	1977	83.5	90.5	45.2	6.2	13.6	-	121.8	-	360.8
	1979	116.8	126.8	71.4	10.2	14.5	38.2	107.6	-	485.4
	1981	196.2	263.2	76.3	17.0	22.2	82.7	122.7	-	780.3
	1982	227.8	253.4	74.8	18.4	22.5	96.6	141.7	-	835.2
	1983	241.0	200.6	87.1	17.5	27.7	84.8	139.7	-	798.4
	1984	306.6	210.2	95.9	18.6	21.7	82.8	158.7	-	894.5
	1985	353.8	317.9	99.8	20.6	22.3	91.6	167.5	-	1 074.1
	1988	464.8	373.5	101.5	34.7	37.2	72.6	226.1	-	1 310.3
	1989	483.0	399.2	55.8	41.7	34.2	89.7	221.3	-	1 324.9
Federal	1977	18.6	6.2	10.6	31.0	0.8	-	10.5	-	77.7
	1979	26.9	11.2	19.2	30.1	1.4	2.9	11.5[c]	-	103.2
	1981	33.7	22.5	23.1	39.9	1.8	3.1	18.6[c]	-	142.7
	1982	46.4	26.5	17.7	46.2	0.6	2.3	11.1[c]	-	150.8
	1983	58.4	25.8	20.7	58.9	0.7	2.8	16.3[c]	-	183.6
	1984	38.7	22.5	10.4	66.2	1.9	3.0	39.6	-	182.3
	1985	63.5	20.4	8.1	68.8	3.2	3.6	41.5[c]	-	209.0
	1988	105.6	2.0	3.5	70.9	4.5	4.7	34.8[c]	-	226.0
	1989	88.0	1.4	2.8	75.0	2.5	7.8	39.5[c]	-	217.0
Industry	1977	16.1	18.6	161.0	-	..	..	..	25.1	220.8
	1979	21.9	20.9	193.2	-	..	..	..	42.0	278.0
	1981	43.0	26.3	162.8	-	..	..	..	87.4	319.5
	1983	36.6	33.7	121.8	-	..	..	..	88.1	280.3
	1985	63.3	39.4	238.8	-	..	..	..	64.4	405.9
	1988	100.3	35.7	180.6	..	..	..	..	148.5	465.0
	1989	113.1	45.6	295.8	..	..	..	..	203.6	658.1
Total expenditures	1977	118.2	115.3	216.8	37.2	..	..	..	171.8	659.3
	1979	166.0	159.2	283.9	40.3	..	..	..	216.9	866.3
	1981	273.0	312.0	262.2	56.8	..	..	..	338.6	1 242.6
	1982	..	..	..	..	..	..	..	..	..
	1983	335.9	260.1	229.6	76.4	..	..	-	360.2	1 262.2
	1984	..	..	..	..	..	..	..	..	..
	1985	480.6	377.8	346.7	89.4	..	..	..	394.5	1 689.0
	1988	670.6	411.1	285.6	105.7	..	..	..	528.3	2 001.3
	1989	684.1	446.3	354.5	116.7	..	..	..	598.5	2 200.0

[a] 1977 for fiscal year 1977-1978...1989 for 1989-1990.

[b] Other expenditures in this case include the "inventory," "timber management," and "administration and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.

[c] $8.1 million, $17.3 million, $8.9 million, $14.1 million, $32.3 million, $24.8 million, and $28.6 million expended by Forestry Canada headquarters in Hull, Quebec, for 1979, 1981, 1982, 1983, 1985, 1988, and 1989. Expenditures for 1977 are not known.

Note: Expenditure data in Table 1-11 do not match the data in previous publications of Selected Forestry Statistics due to Alberta's revision of their complete time series in 1981 and revisions to 1988 "Industry Expenditures."

Sources: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Lapointe, G.; Martel, J.P. Forest Management Expenditures in Canada, 1977-1983, 1983-1985. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada. Unpublished figures 1989.

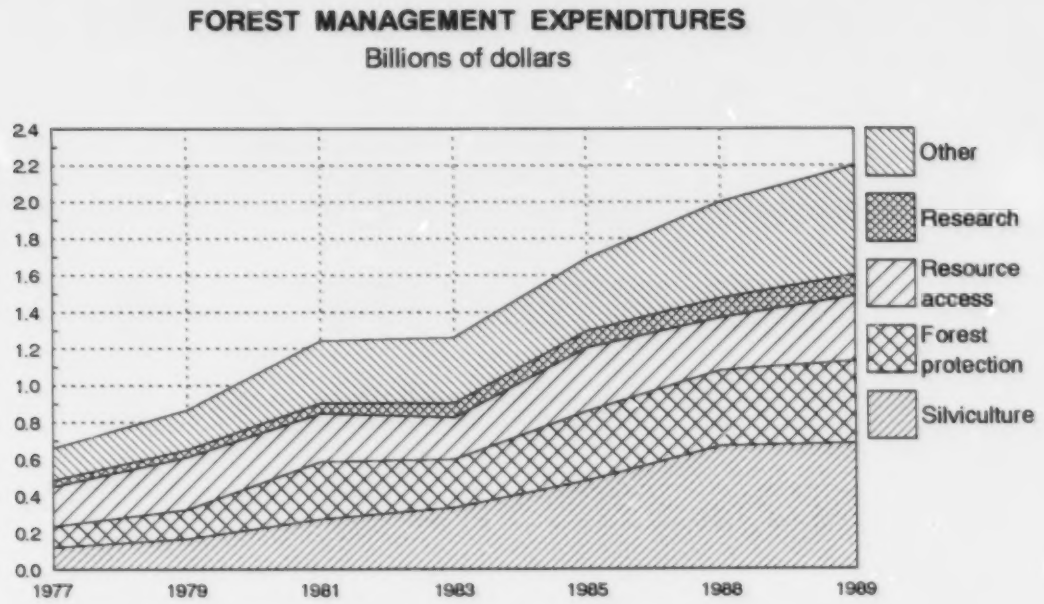

Figure 6. Public and industry expenditures on forest management by activity, 1977-1989.

Source: Forest Management Statistics for Canada, 1977-1988. Canadian Pulp and Paper Association and Forestry Canada.

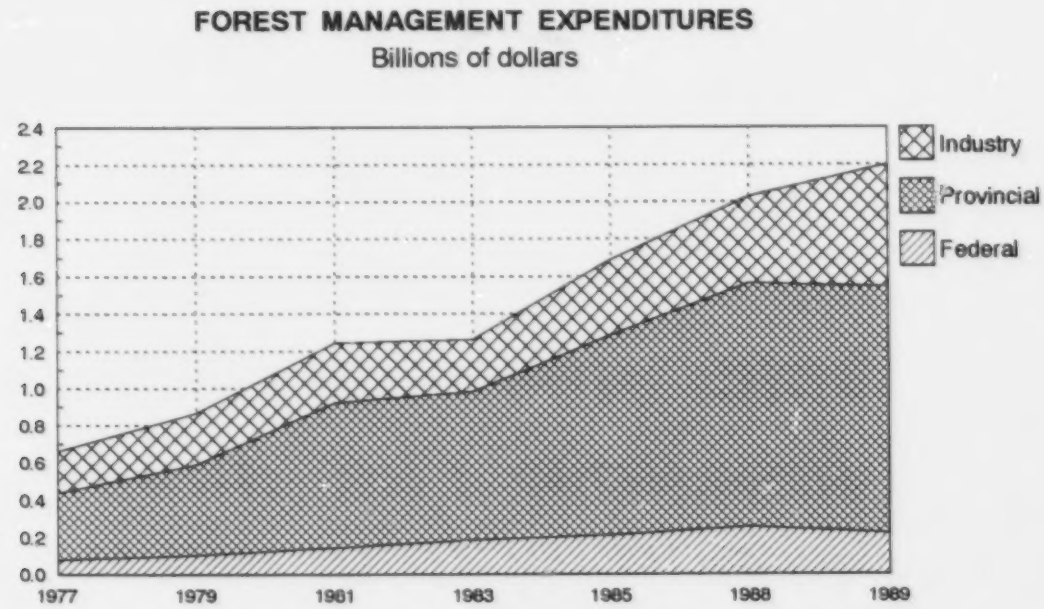

Figure 7. Public and industry expenditures on forest management by source, 1977-1989.

Source: Forest Management Statistics for Canada, 1977-1988. Canadian Pulp and Paper Association and Forestry Canada.

I - 12. Public and Industry Expenditures on Forest Management by Source, Activity, and Province, 1977-1989[a]

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub-total	Yukon and N.W.T.	Canada
								$000 000								
A. Source																
Provincial	1977	6.4	0.2	12.4	16.1	35.1	73.6	86.9	6.3	7.7	26.9	40.9	125.2	361.7	-	361.7
	1979	7.1	0.6	8.3	18.3	34.3	95.1	106.2	9.5	13.2	39.1	61.8	186.7	484.1	-	485.4
	1981	13.3	1.2	10.6	26.7	51.8	106.5	176.3	15.7	34.0	111.1	160.8	284.9	780.3	-	780.3
	1983	12.2	1.6	14.3	31.9	60.0	131.3	237.2	5.8	14.3	79.1	99.2	270.7	798.4	-	798.4
	1985	12.3	2.1	18.4	34.0	66.8	191.0	278.2	7.8	16.5	79.6	103.9	434.3	1 074.2	-	1 074.2
	1988	14.8	2.1	25.6	34.4	76.9	277.9	319.1	36.5	39.6	95.3	171.4	452.4	1 297.7	12.6	1 310.3
	1989	24.8	3.6	27.3	42.9	98.6	268.2	300.4	69.6	52.2	88.7	210.5	433.6	1 311.3	13.7	1 324.9
Federal	1977	11.3	0.6	1.2	10.5	23.6	23.0	10.8	-	0.6	4.2	4.8	4.1	66.3	10.5	76.8
	1979	8.6	1.4	3.0	12.4	25.4	35.6	11.5	1.3	3.3	3.6	8.2	10.4	91.1	12.2	103.3
	1981	8.2	2.0	5.0	14.5	29.7	46.7	24.3	-	2.4	4.9	7.3	10.0	118.0	24.7	142.7
	1983	15.8	2.0	4.3	17.6	39.7	64.2	31.0	-	-	7.3	7.3	14.3	156.4	27.1	183.5
	1985	17.0	2.7	9.5	16.3	45.5	67.4	39.5	2.7	3.0	8.9	14.6	20.8	187.8	21.2	209.0
	1988	13.2	2.0	12.8	19.8	47.8	78.1	40.8	2.4	1.8	9.1	13.3	45.9	225.9	24.8	250.7
	1989	14.8	2.3	9.8	14.7	41.6	86.5[d]	30.0	0.3	1.1	8.3	9.7	49.2	217.0	-	217.0
Industrial	1977	1.4	-	5.3	10.7	17.4	43.4	29.7	1.0	2.7	13.0	16.7	113.6	220.8	-	220.8
	1979	3.4	-	5.1	14.6	23.1	48.4	28.9	1.4	3.0	8.4	12.8	164.8	278.0	-	278.0
	1981	7.7	-	10.4	20.7	38.8	55.1	29.1	2.4	4.8	10.2	17.4	179.1	319.5	-	319.5
	1983	5.0	-	7.7	13.6	26.3	51.9	32.8	1.6	1.9	16.4	19.9	149.3	280.3	-	280.3
	1985	7.7	-	10.3	16.8	34.8	41.3	37.1	2.7	1.4	19.0	23.1	269.6	405.9	-	405.9
	1988r	9.8	-	10.3	25.7	46.3	45.8	32.4	5.5	4.0	24.6	34.1	306.9	465.5	-	465.5
	1989	8.9	-	13.4	27.9	50.2	72.0	32.0	5.7	4.0	25.0	34.7	469.4	658.1	-	658.1
B. Activity																
Silviculture	1977	0.9	0.6	3.8	7.9	13.2	24.9	31.9	0.9	2.7	6.3	9.9	38.3	118.2	-	118.2
	1979	0.6	1.3	3.9	10.4	16.2	30.2	42.3	2.1	4.1	9.7	15.9	60.9	166.0	-	166.0
	1981	4.0	1.7	8.7	17.9	32.3	43.1	80.4	1.3	4.0	13.4	18.7	98.4	272.9	-	272.9
	1983	8.6	2.2	9.6	15.5	35.9	71.5	95.5	1.9	4.1	17.2	23.2	109.8	335.9	-	335.9
	1985	10.3	2.9	16.5	23.5	53.2	113.3	116.1	5.6	5.6	19.0	30.2	167.8	480.6	-	480.6
	1988	9.4	1.5	21.8	31.4	64.1	187.5	116.7	10.6	9.0	26.3	45.9	256.4	670.6	-	670.6
	1989	11.6	1.6	20.7	31.4	65.3	179.1	126.2	7.6	8.6	30.1	46.3	267.1	684.0	0.1	684.1
Protection	1977	2.5	-	1.3	9.8	13.6	31.2	32.0	3.5	3.0	9.7	16.2	16.4	109.4	5.9	115.3
	1979	5.6	0.1	2.9	9.3	17.9	23.2	33.4	6.0	5.4	20.4	31.8	42.3	148.6	10.2	159.2
	1981	7.6	0.1	3.7	15.6	27.0	29.9	52.3	11.6	26.4	77.2	115.2	65.3	289.7	22.3	312.0
	1983	3.6	-	3.3	16.6	23.5	49.6	65.2	1.9	7.8	38.0	47.7	48.9	234.9	25.3	260.1
	1985	6.5	0.2	4.7	13.7	25.1	46.3	63.5	2.0	9.3	41.4	52.7	170.6	358.2	19.4	377.6
	1988	10.2	0.1	6.0	13.4	29.7	53.4	121.2	26.4	31.9	53.5	111.8	83.0	399.1	12.1	411.1
	1989	11.3	0.1	5.9	15.3	32.6	63.6	85.9	63.5	43.1	43.7	150.3	101.3	433.7	12.6	446.3

I - 12. Public and Industry Expenditures on Forest Management by Source, Activity, and Province, 1977-1989[a] (concluded)

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub-total	Yukon and N.W.T.	Canada
								$000 000								
B. Activity (concluded)																
Resource access	1977	4.6	-	4.9	4.7	14.2	41.5	31.5	1.7	3.6	8.6	13.9	115.7	216.8	-	216.8
	1979	4.1	0.1	5.1	5.4	14.7	53.7	32.0	2.0	6.3	4.3	12.6	170.8	283.8	-	283.9
	1981	4.8	0.1	6.1	2.9	13.9	53.7	43.6	2.4	6.3	4.5	13.2	137.7	262.1	-	262.2
	1983	5.8	0.1	5.2	3.8	14.9	46.2	71.3	1.0	0.4	6.4	7.6	89.6	229.6	-	229.6
	1985	5.0	0.1	5.5	1.4	12.0	23.6	80.2	1.1	1.5	6.1	8.7	221.9	346.4	-	346.7
	1988	6.2	0.1	7.0	5.7	19.0	25.1	47.0	2.5	0.8	9.5	12.8	181.7	285.6	-	285.6
	1989	5.8	0.2	8.5	9.1	23.6	41.3	35.8	2.1	0.8	4.5	7.4	246.4	354.5	-	354.5
Research[b]	1977	1.8	-	0.3	3.8	5.9	9.3	11.6	-	-	3.8	3.8	6.6	37.2	-	37.2
	1979	2.1	0.1	0.3	5.3	7.8	6.3	13.3	-	-	3.9	3.9	9.0	40.3	-	40.3
	1981	3.4	0.3	0.3	6.5	10.5	7.7	17.5	-	-	6.2	6.2	15.0	56.9	-	56.9
	1983	4.3	0.1	0.5	8.7	13.6	10.4	25.6	-	0.1	8.8	8.9	17.7	76.2	-	76.4
	1985	5.3	0.2	0.8	8.5	14.8	12.6	26.6	1.4	0.5	11.1	13.0	22.4	89.4	-	89.4
	1988	4.8	-	1.1	9.9	15.8	19.0	34.2	1.8	0.3	11.7	13.8	22.9	105.7	-	105.7
	1989	8.0	0.1	1.0	7.1	16.2	24.5	35.4	0.1	0.1	10.8	11.0	29.6	116.7	-	116.7
Other[c]	1977	9.3	0.2	8.6	11.1	29.2	33.1	20.4	1.2	1.7	15.7	18.6	65.9	167.2	4.6	171.8
	1979	6.7	0.4	4.1	14.9	26.1	65.7[d]	25.6	2.1	3.7	12.7	18.5	78.9	214.8	2.0	216.8
	1981	9.4	1.0	7.2	19.0	36.6	73.9[d]	35.9	2.8	4.5	24.9	32.2	157.6	336.2	2.4	338.6
	1983	10.7	1.2	7.7	18.7	38.3	69.8[d]	43.3	2.6	3.8	32.3	38.7	168.2	358.3	1.9	360.2
	1985	9.9	1.5	10.7	19.9	42.0	103.9[d]	68.3	3.1	3.8	30.0	36.9	142.1	393.2	1.8	395.0
	1988	7.3	2.4	12.8	19.6	42.1	116.9[d]	73.1	3.1	3.4	28.0	34.5	261.3	527.9	0.5	528.3
	1989	11.8	3.9	14.2	22.6	52.5	118.2[d]	79.1	2.2	4.8	32.9	39.9	307.8	597.5	1.1	598.5
Total	1977	19.1	0.8	18.9	37.3	76.1	140.0	127.4	7.3	11.0	44.1	62.4	242.9	648.8	10.5	659.3
	1979	19.1	2.0	16.3	45.3	82.7	179.1	146.6	12.2	19.5	51.2	82.9	361.9	853.2	12.2	866.3
	1981	29.2	3.2	26.0	61.9	120.3	208.3	229.7	18.1	41.2	126.2	185.5	474.0	1 217.8	24.7	1 242.6
	1983	33.0	3.6	26.3	63.1	126.0	247.4	300.9	7.4	16.2	102.7	126.3	434.2	1 234.8	27.1	1 262.2
	1985	37.0	4.9	38.2	67.0	147.1	299.7	354.7	13.2	20.7	107.6	141.5	724.8	1 667.8	21.2	1 689.0
	1988	37.8	4.1	48.7	79.9	170.5	401.8	392.3	44.4	45.5	126.9	216.8	805.2	1 988.6	12.6	2 001.3
	1989	48.5	5.9	50.4	86.5	190.3	426.7	362.4	75.6	57.3	121.9	254.8	952.1	2 186.3	13.7	2 200.0

[a] 1977 for fiscal year 1977-1978 ... 1989 for 1989-1990.

[b] Research expenditures include only provincial and federal estimates.

[c] Other expenditures in this case include the "inventory," "timber management," and "administration and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.

[d] $68.1 million, $17.3 million, $6.9 million, $14.1 million, $32.3 million, $24.8 million, and $28.6 million expended by Forestry Canada headquarters in Hull, Quebec, for 1978, 1981, 1982, 1983, 1985, 1988, and 1989. Expenditures for 1977 are not known.

Note: Expenditure data in Table 1-12 do not match the data in previous publications of Selected Forestry Statistics due to Alberta's revision of their complete time series in 1991 and revisions to 1988 "Industry Expenditures."

Sources: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Lapointe, G.; Martel, J.P. Forest Management Expenditures in Canada, 1977-1983, 1983-1985. Kuhnke, D.H.; Smyth, J.H.; Lapointe, G. Forest Management Statistics for Canada, 1977-88. Canadian Pulp and Paper Association and Forestry Canada. Unpublished figures 1989.

I - 13. Federal/Provincial Forest Agreement Statistics on Forest Development by Silvicultural Activities and Province, 1988[a]

Area/activity		Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada[b]
A. Area treated (1 000 ha)[c]												
Site preparation and regeneration		8.5	1.8	26.9	13.8	169.2	41.9	4.3	11.3	3.6	65.3	346.6
Other silvicultural treatments		5.7	0.8	19.3	13.9	33.0	18.9	0.6	0.7	7.8	47.4	148.3
Forest protection		-	-	-	-	-	0.3	-	-	-	-	0.3
Total		14.3	2.6	46.2	27.7	202.2	61.0	4.9	12.0	11.5	112.7	495.1
B. Source of expenditures by activity ($000)[d]												
Site preparation and regeneration	- Federal	3 100.0	849.5	6 501.5	2 517.4	24 846.2	10 296.0	792.4	578.6	9.0	17 143.0	66 633.6
	- Provincial	1 362.0	110.1	4 707.0	1 988.4	36 770.6	8 099.4	1 573.9	2 272.7	961.2	18 884.3	76 729.5
	- Total	4 462.0	959.5	11 208.5	4 505.8	61 616.8	18 395.4	2 366.3	2 851.3	970.2	36 027.3	143 363.1
Other silvicultural treatments	- Federal	3 420.0	307.3	6 085.9	5 127.3	5 992.7	2 118.5	534.4	680.2	357.9	13 078.2	37 702.6
	- Provincial	1 504.0	1 958.7	3 466.0	3 915.6	8 423.2	4 129.9	151.7	111.2	534.5	11 308.2	35 503.1
	- Total	4 924.0	2 266.1	9 551.9	9 043.0	14 415.9	6 248.4	686.1	791.4	892.4	24 386.4	73 205.7
Forest protection	- Federal	370.0	-	-	-	-	95.5	-	189.7	182.2	-	837.3
	- Provincial	162.0	-	-	-	-	94.9	-	30.9	4.3	-	292.1
	- Total	532.0	-	-	-	-	190.4	-	220.6	186.5	-	1 129.4
Research and forest extention	- Federal	2 203.0	308.8	427.0	1 908.8	2 662.3	2 307.1	1 068.7	687.2	1 337.5	4 049.9	16 960.3
	- Provincial	968.0	63.7	966.0	1 947.3	6 027.5	1 003.4	815.0	478.4	945.0	3 168.2	16 382.6
	- Total	3 171.0	372.5	1 393.0	3 856.2	8 689.8	3 310.5	1 883.7	1 165.6	2 282.5	7 218.1	33 342.9
Other activities[e]	- Federal	624.0	763.0	557.0	75.6	1 652.9	646.9	205.4	507.9	609.2	4 057.3	9 699.1
	- Provincial	176.0	265.9	3 613.0	2.5	118.2	192.4	13.6	73.3	796.9	1 893.1	7 144.8
	- Total	800.0	1 028.9	4 170.0	78.0	1 771.0	839.3	219.0	581.2	1 406.1	5 950.4	16 843.9
Total activities[b]	- Federal	9 717.0	2 228.6	13 571.4	9 629.1	35 154.0	15 463.9	2 600.9	2 643.7	2 496.8	38 328.4	131 832.9
	- Provincial	4 172.0	2 398.4	12 752.0	7 853.8	51 339.5	13 519.9	2 554.2	2 966.5	3 241.9	36 253.9	136 052.0
	- Total	13 889.0	4 626.9	26 323.4	17 482.9	86 493.5	28 983.9	5 155.1	5 610.2	5 737.8	73 582.3	267 884.9

[a]Fiscal year 1988-1989.
[b]Total may not add up due to rounding.
[c]A hectare may be duplicated if it received more than one silvicultural treatment.
[d]Actual costs per hectare may not be calculated as these costs in part B include indirect items.
[e]The category "Other activities" includes the expenditures related to administration, communication, and evaluation.

Source: Special Compilation, Development Branch, DEVMIS, Forestry Canada.

I - 14. Federal/Provincial Forest Agreement Statistics on Forest Development by Tenure and Province, 1988[a]

Area/tenure		Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada[b]
A. Area treated (1 000 ha)[c]												
Provincial Crown lands		14.3	0.2	12.3	17.0	132.2	49.2	4.9	11.1	10.3	106.0	357.4
Federal and Indian lands		-	-	0.1	–	1.2	2.0	-	0.3	1.1	2.7	7.4
Private lands		-	2.4	33.8	10.7	68.7	9.8	-	0.1	-	4.1	129.7
Tenure not applicable		-	-	-	-	-	-	-	0.6	0.1	-	0.6
Total		14.3	2.6	46.2	27.7	202.2	61.0	4.9	12.0	11.5	112.7	495.1
B. Source of expenditures by tenure ($000)[d]												
Provincial Crown lands	- Federal	4 373.0	176.6	-	6 322.0	21 375.5	10 965.8	1 128.8	904.1	109.5	29 199.6	74 554.9
	- Provincial	1 924.0	1 938.2	4 707.0	7 384.3	34 428.8	12 126.9	2 207.5	2 623.1	2 971.8	33 302.2	103 613.7
	- Total	6 297.0	2 114.8	4 707.0	13 706.3	55 804.3	23 092.7	3 336.3	3 527.2	3 081.3	62 501.8	178 168.7
Federal and Indian lands	- Federal	-	-	104.4	18.2	984.0	826.5	-	102.5	199.1	1 805.0	4 039.8
	- Provincial	-	-	-	-	-	-	-	-	-	-	-
	- Total	-	-	104.4	18.2	984.0	826.5	-	102.5	199.1	1 805.0	4 039.8
Private lands	- Federal	-	812.6	12 483.0	3 168.3	11 334.1	1 451.8	-	99.4	111.7	1 483.6	30 944.5
	- Provincial	-	125.4	-	469.5	16 910.7	900.7	-	-	-	-	18 406.2
	- Total	-	938.0	12 483.0	3 637.8	28 244.8	2 352.4	-	99.4	111.7	1 483.6	49 350.8
Tenure not applicable	- Federal	5 344.0	1 239.3	984.0	120.6	1 460.4	2 219.8	1 472.1	1 537.7	2 075.6	5 840.1	22 293.7
	- Provincial	2 248.0	334.8	8 045.0	-	-	492.4	346.7	343.3	270.1	1 951.6	14 032.0
	- Total	7 592.0	1 574.1	9 029.0	120.6	1 460.4	2 712.2	1 818.8	1 881.0	2 345.7	7 791.8	36 325.6
Total[b]	- Federal	9 717.0	2 228.6	13 571.4	9 629.1	35 154.0	15 463.9	2 600.9	2 643.7	2 496.8	38 328.4	131 832.9
	- Provincial	4 172.0	2 398.4	12 752.0	7 853.8	51 339.5	13 519.9	2 554.2	2 966.5	3 241.9	35 253.9	136 052.0
	- Total	13 889.0	4 626.9	26 323.4	17 482.9	86 493.5	28 983.9	5 155.1	5 610.2	5 737.8	73 582.3	267 884.9

[a]Fiscal year 1988-1989.
[b]Total may not add up due to rounding.
[c]A hectare may be duplicated if it received more than one silvicultural treatment.
[d]Actual costs per hectare may not be calculated as these costs in part B include indirect items.

Source: Special Compilation, Development Branch, DEVMIS, Forestry Canada.

I - 15. Farm Woodlots by Province, 1951-1986

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Farm woodlots in Canada	Total farm[a]	%
A. Area of farm woodlots (1 000 ha)															
1951	15	140	747	827	1 729	2 377	1 559	734	1 192	1 160	3 086	468	9 219	70 434	13.1
1961	8	120	552	498	1 178	1 822	1 318	603	888	866	2 357	305	6 980	69 829	10.0
1971	5	85	300	276	666	1 254	931	389	404	674	1 467	342	4 660	68 662	6.8
1976	8	75	262	227	572	1 160	833	376	415	709	1 500	302	4 367	68 427	6.4
1981	6	65	241	201	513	1 069	742	248	282	493	1 023	204	3 551	65 889	5.4
1986	5	61	201	184	451	1 030	588	124	153	289	566	155	2 789	67 826	4.1
B. Number of farms reporting forest products sales[b]															
1980	40	253	1 382	1 993	2 768	10 445	4 326	278	246	540	1 064	1 255	19 858	...	...
1985	31	161	1 015	886	2 093	9 386	3 331	198	164	359	721	989	16 520	...	...
C. Value of sales ($000)															
1980	92	363	4 726	4 332	9 513	23 975	11 957	1 080	993	2 542	4 615	14 928	64 988	...	...
1985	117	438	5 526	6 142	12 223	31 303	12 120	1 334	1 194	2 091	4 619	13 461	73 727	...	...

[a] A 1981 "Census Farm" is defined as a farm, ranch, or other agricultural holding with sales of agricultural products during the past 12 months of $250 or more.
[b] Includes sales of Christmas trees, fuelwood, and logs, and income from stumpage leases where an agreed amount is paid for cutting timber or pulpwood from the land. It excludes the sales of maple products.

Source: Statistics Canada. Census of Agriculture 1986.

SECTION II

COMMODITY PRODUCTION AND SHIPMENTS

- Roundwood
- Lumber
- Wood pulp
- Newsprint
- Paper and paperboard
- Wood-based panels

II - 1. Estimation of Roundwood Production in Canada by Category and Species Group, 1950-1989

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
					1 000 m^3							
1950	40 095	32 311	1 700	74 106	..	..	..	..	11 509	..	..	85 615
1960	51 120	33 924	1 461	86 505	..	..	..	..	6 751	..	..	93 256
1970	75 711	40 335	1 236	117 282	109 143	8 140	1 527	2 610	4 137	110 669	10 750	121 419
1971	77 948	36 902	1 117	115 967	107 753	8 214	1 276	2 458	3 734	109 029	10 672	119 701
1972	81 211	38 428	1 109	120 748	111 331	9 417	1 196	2 187	3 383	112 526	11 604	124 131
1973	96 886	42 378	1 079	140 343	129 688	10 655	1 165	2 297	3 462	130 853	12 952	143 806
1974	85 295	48 034	1 087	134 416	124 575	9 841	1 149	2 363	3 512	125 724	12 204	137 928
1975	73 543	37 063	891	111 497	103 437	8 060	1 211	2 554	3 765	104 648	10 614	115 262
1976	97 135	36 832	1 260	135 227	127 083	8 144	1 266	2 633	3 899	128 349	10 777	139 126
1977	103 707	36 732	1 141	141 580	132 652	8 928	1 017	2 665	3 682	133 669	11 593	145 262
1978	111 536	38 039	1 344	150 918	142 798	8 914	1 109	3 074	4 183	143 114	11 988	155 102
1979	114 433	40 242	1 789	156 464	147 661	9 590	1 281	3 225	4 506	148 155	12 815	160 970
1980	109 957	38 783	1 909	150 649	141 285	9 364	1 278	3 453	4 731	142 563	12 817	155 380
1981	96 318	41 204	1 562	139 084	130 633	8 451	1 410	4 078	5 488	132 043	12 529	144 572
1982	88 869	31 084	1 390	121 343	114 317	7 026	1 548	4 125	5 673	115 865	11 151	127 016
1983	111 269	38 090	1 365	150 724	142 293	8 431	1 609	4 588	6 197	143 902	13 019	156 921
1984	117 254	42 051	1 562	160 867	151 541	9 326	1 880	4 755	6 635	153 421	14 081	167 502
1985	119 336	40 601	2 048	161 985	152 655	9 330	1 837	4 832	6 669	154 492	14 162	168 654
1986	125 384	42 655	2 224	170 263	160 106	10 157	1 757	5 077	6 834	161 863	15 234	177 097
1987	140 909	41 754	2 392	185 055	174 534	10 521	1 564	4 988	6 552	176 098	15 509	191 607
1988	138 833	42 930	2 274	184 037	172 496	11 541	1 472	4 743	6 215	173 968	16 284	190 252
1989p	138 222	44 798	2 282	185 302	173 227	12 075	1 413	4 729	6 142	174 640	16 804	191 444

Source: Statistics Canada Cat. No. 25-201.

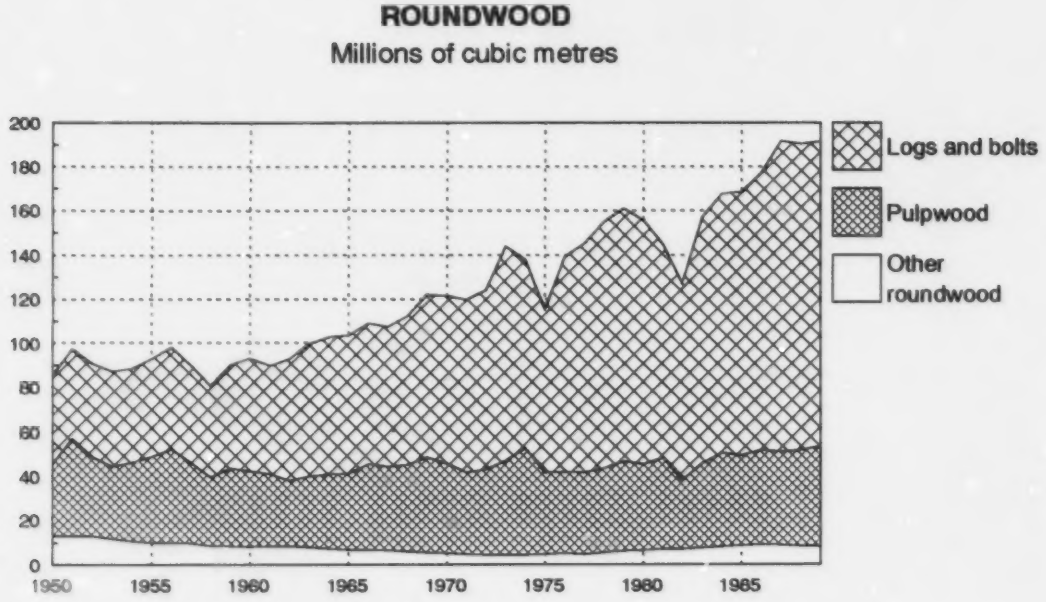

Figure 8. Roundwood production in Canada, 1950-1989.

Source: Statistics Canada, Cat. No. 25-201.

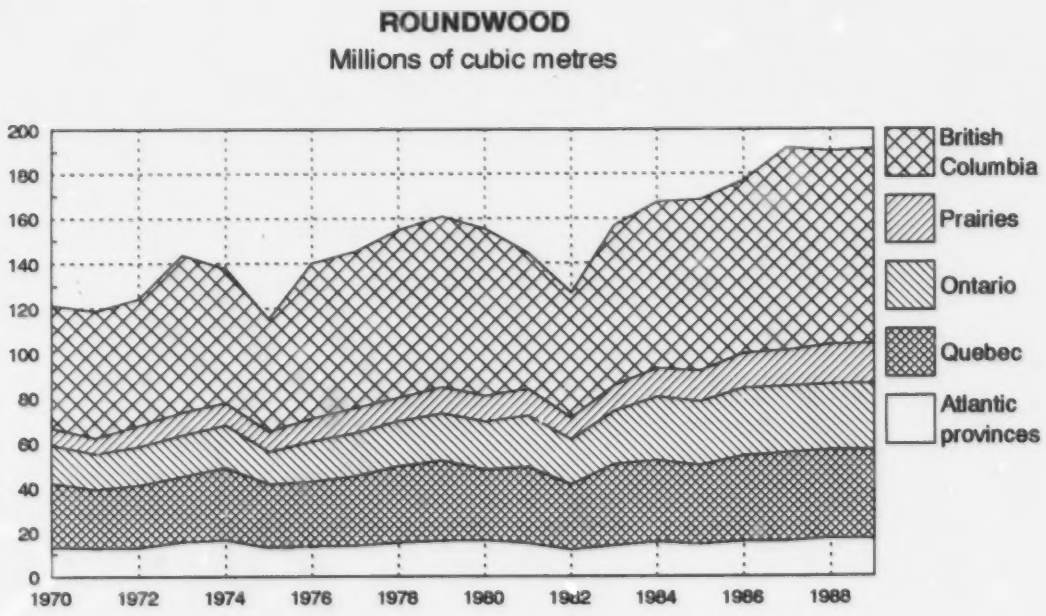

Figure 9. Roundwood production by region, 1970-1989.

Source: Statistics Canada, Cat. No. 25-201.

II - 2. Estimation of Roundwood Production by Province, Category, and Species Group, 1970-1989

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
						1 000 m^3						
Newfoundland												
1970	170	2 527	4	2 701	2 701	-	112	35	147	2 813	36	2 849
1975	147	2 195	6	2 348	2 345	3	79	25	104	2 424	28	2 452
1976	207	2 011	20	2 238	2 232	6	76	31	107	2 309	37	2 345
1977	230	1 875	8	2 113	2 110	3	62	20	82	2 172	23	2 195
1978	261	1 909	8	2 178	2 175	3	88	22	110	2 263	25	2 288
1979	269	1 968	17	2 254	2 248	6	202	25	227	2 450	31	2 481
1980	207	2 189	17r	2 413	2 410	3	354r	28	382	2 764	31	2 795
1981	261	1 903	8	2 172	2 169	3	356	40	396	2 525	43	2 568
1982	147	1 736	9	1 892	1 889	3	425	62	487	2 314	65	2 379
1983	293	1 697	5	1 995	1 989	6	379	55	434	2 368	61	2 429
1984	183	2 053	4	2 240	2 239	1	572	77	649	2 811	78	2 889
1985	183	1 760	8	1 951	1 950	1	490	68	558	2 440	69	2 509
1986	228	1 732	6	1 966	1 963	3	389	53	442	2 352	56	2 408
1987	244	1 873	10	2 127	2 125	2	344	53	397	2 469	55	2 524
1988	285	1 891	8	2 184	2 182	2	285	44	329	2 467	46	2 513
1989p	294	1 717	14	2 225	2 222	3	257	53	310	2 479	56	2 536
Prince Edward Island												
1970	68	109	10	187	186	1	34	23	57	220	24	245
1975	71	45	6	122	118	4	8	37	45	126	41	167
1976	68	48	6	122	116	6	8	34	42	125	40	165
1977	65	37	3	105	105	-	6	28	34	111	28	139
1978	71	45	6	122	122	-	6	31	37	128	31	159
1979	85	48	11	144	144	-	11	68	79	155	68	223
1980	91	91	11	193	184	9	14	71	85	198	80	278
1981	102	59	28	189	172	17	11	133	144	183	150	333
1982	68	48	9	125	116	9	17	133	150	133	142	275
1983	96	31	11	138	125	13	18	138	156	143	151	294
1984	84	42	-	126	121	5	72	215	287	193	220	413
1985	85	43	-	128	123	5	72	215	287	195	220	415
1986	114	46	-	160	153	7	79	237	316	232	244	476
1987	85	55	28	168	168	-	-	311	311	168	311	479
1988	87	57	25	169	169	-	-	318	318	169	318	487
1989p	77	59	17	153	153	-	-	307	307	153	307	460

II - 2. Estimation of Roundwood Production by Province, Category, and Species Group, 1970-1989 (continued)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
					1 000 m^3							
Nova Scotia												
1970	1 033	2 022	32	3 087	2 876	211	48	109	157	2 904	320	3 224
1975	837	2 508	13	3 358	3 075	283	40	141	181	3 115	424	3 539
1976	957	2 265	20	3 242	2 970	272	48	164	212	3 019	436	3 455
1977	940	2 540	8	3 489	3 243	246	45	142	187	3 288	388	3 676
1978	974	2 968	11	3 953	3 675	278	43	161	204	3 178	439	4 157
1979	1 059	3 098	14	4 171	3 802	369	57	161	218	3 859	530	4 389
1980	960	3 310	11	4 281	3 757	524	62	201	263	3 819	725	4 544
1981	897	2 795	17	3 709	3 367	342	42	235	277	3 409	577	3 986
1982	784	1 943	11	2 738	2 557	181	40	223	263	2 597	404	3 001
1983	912	2 397	16	3 325	3 116	209	45	251	296	3 161	460	3 621
1984	993	2 270	-	3 263	2 885	378	46	250	296	2 931	628	3 559
1985	954	2 190	-	3 144	2 915	229	46	250	296	2 961	479	3 440
1986	1 062	2 471	-	3 533	3 199	334	51	275	326	3 250	609	3 859
1987	1 064	3 306	..	4 370	3 926	444	53	289	342	3 979	733	4 712
1988	1 093	3 229	..	4 322	3 954	368	53	289	342	4 007	657	4 664
1989p	1 135	2 770	..	3 906	3 582	323	51	276	327	3 633	599	4 232
New Brunswick												
1970	1 871	4 712	33	6 616	5 822	794	15	184	199	5 837	978	6 815
1975	1 755	4 913	45	6 713	5 479	1 234	40	153	193	5 519	1 387	6 906
1976	1 798	5 395	88	7 281	6 083	1 198	48	150	198	6 131	1 348	7 479
1977	1 897	5 550	85	7 532	6 399	1 333	31	139	170	6 430	1 272	7 702
1978	2 265	5 947	93	8 305	7 147	1 158	34	170	204	7 181	1 328	8 509
1979	2 322	6 088	85	8 496	7 277	1 218	34	221	255	7 311	1 439	8 750
1980	2 345	5 714	76	8 135	7 022	1 113	34	218	252	7 056	1 331	8 387
1981	2 282	5 165	82	7 529	6 524	1 005	37	229	266	6 561	1 234	7 795
1982	2 061	3 956	62	6 079	5 233	846	48	193	241	5 281	1 039	6 320
1983	2 360	4 752	65	7 177	6 168	1 009	53	212	265	6 221	1 221	7 442
1984	2 534	5 486	89	8 109	7 164	945	50	219	269	7 214	1 164	8 378
1985	2 344	5 126	89	7 559	6 812	747	50	287	337	6 862	1 034	7 896
1986	2 542	5 745	93	8 380	7 552	828	51	289	340	7 603	1 117	8 720
1987	2 559	5 232	..	7 791	6 763	1 028	-	78	78	6 763	1 106	7 869
1988	2 560	6 626	..	9 186	7 764	1 422	-	13	13	7 764	1 435	9 199
1989p	2 405	6 813	..	9 218	7 528	1 690	-	63	63	7 528	1 753	9 281

II - 2. Estimation of Roundwood Production by Province, Category, and Species Group, 1970-1989 (continued)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
					1 000 m^3							
Quebec												
1970	8 778	17 740	251	26 769	23 272	3 497	906	1 223	2 129	24 179	4 720	28 998
1975	11 214	15 149	232	26 595	23 650	2 945	566	1 246	1 812	24 216	4 181	28 407
1976	13 309	13 598	311	27 218	23 990	3 228	566	1 274	1 840	24 556	4 502	29 058
1977	16 353	12 601	297	29 251	25 655	3 596	453	1 359	1 812	26 108	4 955	31 063
1978	18 576	13 096	396	32 068	28 571	3 497	510	1 501	2 011	29 081	4 998	34 079
1979	19 142	14 045	425	33 612	30 322	3 290	481	1 643	2 124	30 803	4 933	35 736
1980	16 848	12 318	453	29 620	26 505	3 115	368	1 699	2 067	26 873	4 814	31 687
1981	16 452	14 979	595	30 026	29 167	2 859	396	1 812	2 208	29 563	4 671	34 234
1982	15 787	10 316	793	26 896	24 522	2 374	368	1 869	2 237	24 890	4 243	29 133
1983	20 080	12 998	810	33 888	30 881	3 007	395	2 005	2 400	31 276	5 012	36 288
1984	18 712	14 329	944	33 985	31 242	2 743	456	2 078	2 534	31 698	4 821	36 519
1985	18 365	13 514	963	32 842	30 205	2 637	460	2 098	2 558	30 665	4 735	35 400
1986	20 531	14 002	993	35 526	32 674	2 852	468	2 133	2 601	33 142	4 985	38 127
1987	22 723	13 075	1 023	36 821	33 909	2 912	483	2 199	2 682	34 392	5 111	39 503
1988	22 472	13 326	989	36 787	33 867	2 920	467	2 127	2 594	34 334	5 047	39 381
1989p	21 573	14 992	807	37 372	34 433	2 939	451	2 055	2 506	34 884	4 994	39 878
Ontario												
1970	5 154	10 638	216	16 008	13 068	2 940	181	612	793	13 250	3 551	16 801
1975	5 267	7 929	142	13 337	10 760	2 577	241	637	878	11 001	3 214	14 215
1976	7 362	9 401	193	16 956	14 181	2 775	255	665	920	14 436	3 340	17 876
1977	7 915	10 306	156	18 377	15 107	3 270	198	694	892	15 305	3 964	19 269
1978	8 255	10 604	139	18 998	15 636	3 362	255	934	1 189	15 891	4 296	20 187
1979	9 132	10 769	133	20 034	16 098	3 936	297	963	1 260	16 395	4 899	21 294
1980	9 061	10 803	113	19 977	16 226	3 751	255	1 090	1 345	16 481	4 841	21 322
1981	8 707	12 105	127	20 939	17 683	3 256	382	1 487	1 869	18 065	4 743	22 808
1982	7 634	10 222	113	17 969	15 087	2 882	359	1 450	1 809	15 446	4 322	19 778
1983	9 008	12 450	107	21 565	18 112	3 453	431	1 740	2 171	18 543	5 193	23 736
1984	12 321	13 631	7	25 959	21 489	4 470	360	1 811	2 171	21 849	6 281	28 130
1985	12 238	13 805	7	26 050	21 675	4 375	360	1 815	2 175	22 035	6 190	28 225
1986	13 009	14 841	9	27 859	23 190	4 669	349	1 978	2 327	23 539	6 647	30 186
1987	12 618	14 770	9	27 397	22 826	4 571	344	1 951	2 295	23 170	6 522	29 692
1988	13 034	14 061	13	27 108	22 250	4 858	357	1 873	2 230	22 607	6 731	29 338
1989p	12 601	14 784	17	27 402	22 515	4 887	349	1 891	2 240	22 864	6 778	29 642

II - 2. Estimation of Roundwood Production by Province, Category, and Species Group, 1970-1989 (continued)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
					1 000 m^3							
Manitoba												
1970	314	664	91	1 075	929	146	100	84	184	1 029	230	1 260
1975	504	1 274	88	1 866	1 753	113	85	71	156	1 838	184	2 022
1976	589	878	105	1 572	1 487	85	85	85	170	1 572	170	1 742
1977	603	948	91	1 642	1 563	79	57	85	142	1 620	164	1 784
1978	640	937	93	1 670	1 563	107	45	88	133	1 608	195	1 803
1979	654	1 085	59	1 798	1 653	145	37	68	105	1 690	213	1 903
1980	688	1 458	82	2 228	2 106	122	25	82	107	2 131	204	2 335
1981	543	1 104	54	1 701	1 608	93	25	77	102	1 633	170	1 803
1982	527	790	57	1 374	1 283	91	28	96	124	1 311	187	1 498
1983	514	840	51	1 405	1 315	90	26	89	115	1 341	179	1 520
1984	333	1 202	47	1 582	1 486	96	116	..[b]	116	1 602	96	1 698
1985	480	1 065	48	1 593	1 470	123	124	..[b]	124	1 594	123	1 717
1986	604	927	59	1 590	1 476	114	113	..[b]	113	1 589	114	1 703
1987	741	1 008	39	1 788	1 682	106	99	..[b]	99	1 781	106	1 887
1988	672	1 089	23	1 784	1 697	87	99	..[b]	99	1 796	87	1 883
1989p	719	993	44	1 756	1 635	121	92	..[b]	92	1 727	121	1 848
Saskatchewan												
1970	608	1 253	259	2 120	1 910	210	68	188	256	1 977	398	2 375
1975	713	1 305	74	2 092	1 790	302	59	162	221	1 849	464	2 313
1976	1 127	1 345	167	2 639	2 342	297	71	156	227	2 413	453	2 866
1977	1 897	722	156	2 775	2 350	425	42	142	184	2 932	567	2 969
1978	1 614	974	119	2 707	2 367	340	46	110	156	2 413	450	2 863
1979	1 778	1 549	127	3 454	3 083	371	77	48	125	3 160	419	3 579
1980	1 520	1 569	122	3 211	2 849	362	79	40	119	2 928	402	3 330
1981	1 662	1 605	161	3 428	2 918	510	85	42	127	3 003	552	3 555
1982	1 382	898	122	2 402	2 102	300	79	45	124	2 181	345	2 526
1983	960	1 396	127	2 483	2 275	208	82	47	129	2 357	255	2 612
1984	1 145	1 323	125	2 593	2 436	157	70	63	133	2 506	220	2 726
1985	1 220	1 056	591	2 867	2 537	330	87	62	149	2 624	392	3 016
1986	1 433	1 193	713	3 339	2 966	373	113	77	190	3 079	450	3 529
1987	1 505	1 230	731	3 466	3 082	384	119	81	200	3 201	465	3 666
1988	1 458	1 157	1 024	3 639	3 271	368	116	63	179	3 387	431	3 818
1989p	1 480	1 017	1 011	3 508	3 031	477	110	67	177	3 141	544	3 685

II - 2. Estimation of Roundwood Production by Province, Category, and Species Group, 1970-1989 (concluded)

Year	Industrial roundwood						Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
					1 000 m³							
Alberta												
1970	3 186	690	115	3 991	3 937	52	40	112	152	3 978	166	4 144
1975	2 944	1 745	144	4 833	4 751	82	51	79	130	4 802	161	4 963
1976	3 341	1 892	272	5 505	5 434	71	51	71	122	5 485	142	5 627
1977	3 893	2 152	212	6 257	6 218	39	59	54	113	6 277	93	6 370
1978	3 817	1 558	249	5 624	5 581	43	45	57	102	5 626	100	5 726
1979	3 945	1 592	606	6 143	6 115	28	37	28	65	6 152	56	6 208
1980	3 925	1 331	609	5 865	5 757	108	45	23	68	5 802	131	5 933
1981	4 647	1 489	399	6 535	6 402	133	28	23	51	6 430	156	6 586
1982	4 257	1 175	147	5 581	5 462	119	79	54	133	5 541	173	5 714
1983	5 666	1 529	23	7 218	7 060	158	75	51	126	7 135	209	7 344
1984	6 557	1 715	86	8 358	7 827	531	57	42	99	7 884	573	8 457
1985	6 786	2 041	53	8 880	7 998	882	62	37	99	8 060	919	8 979
1986	8 556	1 698	44	10 298	9 321	977	54	35	89	9 375	1 012	10 387
1987	9 199	1 205	29	10 433	9 359	1 074	37	26	63	9 396	1 100	10 496
1988	10 425	1 494	27	11 946	10 430	1 516	28	16	44	10 458	1 532	11 990
1989p	10 773	1 453	26	12 252	10 617	1 635	24	17	41	10 641	1 652	12 293
British Columbia[a]												
1970	54 409	..	318	54 727	54 399	327	..	..	..	54 399	327	54 726
1975	49 942	..	136	50 078	49 554	516	..	..	..	49 562	516	50 078
1976	69 424	..	96	69 524	69 313	207	..	..	..	69 314	207	69 521
1977	69 823	..	147	69 970	69 834	136	..	..	..	69 384	136	69 971
1978	74 951	..	213	75 164	75 037	127	..	..	..	75 037	127	75 164
1979	75 892	..	303	76 194	75 968	227	..	..	..	75 968	227	76 195
1980	74 247	..	407	74 654	74 396	258	..	..	..	74 396	258	74 654
1981	60 700	..	80	60 780	60 547	233	..	..	..	60 547	233	60 780
1982	56 178	..	53	56 231	56 010	221	..	..	..	56 010	221	56 231
1983	71 320	..	123	71 443	71 162	281	..	..	..	71 162	281	71 443
1984	74 337	..	219	74 556	74 556	..[b]	..	..	..	74 556	..[b]	74 556
1985	76 622	..	246	76 868	76 868	..[b]	..	..	..	76 868	..[b]	76 868
1986	77 240	..	263	77 503	77 503	..[b]	..	..	..	77 503	..[b]	77 503
1987	90 108	..	483	90 591	90 591	..[b]	..	..	..	90 591	..[b]	90 591
1988	86 643	..	164	86 807	86 807	..[b]	..	..	..	86 807	..[b]	86 807
1989p	87 070	..	344	87 414	87 414	..[b]	..	..	..	87 414	..[b]	87 414

[a] Pulpwood included in logs and bolts and fuelwood included in other roundwood; see also table II - 5 for more details.
[b] Included with softwoods.

Source: Statistics Canada Cat. No. 25-201.

II - 3. Shipments of Roundwood by Province, 1970-1988

Year	Nova Scotia	New Brunswick	Quebec	Ontario	British Columbia[a]	Other provinces	Canada
A. Quantity (1 000 m^3)							
1970	1 899	7 337	24 640	14 684	43 692	5 782	98 035
1971	1 941	7 429	22 290	13 672	43 661	4 983	93 976
1972	2 089	7 002	22 599	15 704	45 914	5 918	99 226
1973	2 553	9 005	21 868	15 731	53 224	7 128	109 509
1974	2 892	9 124	23 400	16 438	47 253	8 523	107 631
1975	2 236	7 094	21 451	11 583	35 460	7 400	85 224
1976	2 122	8 129	20 044	12 983	48 824	7 187	99 289
1977	2 363	7 717	19 850	14 802	49 112	6 386	100 230
1978	2 525	8 464	19 783	15 877	51 618	7 371	105 638
1979	2 834	8 928	22 139	16 248	50 839	7 992	108 980
1980	2 908	8 525	19 443	16 743	53 130	6 978	107 727
1981	2 929	8 797	21 967	16 855	45 482	8 023	104 053
1982	2 767	5 984	17 506	15 828	36 541	7 761	86 387
1983	2 371	7 423	18 025	16 928	47 700	6 257	98 704
1984	3 751	8 914	17 889	18 290	46 357	7 248	102 449
1985	3 953	8 084[b]	16 084[b]	18 533	46 626	7 190[b]	100 470
1986	4 449[b]	8 593	20 002	20 573[b]	41 786	7 779[b]	103 182
1987	..	..	..	..	..	..	..
1988	..	..	..	..	..	..	..
B. Value ($000 000)							
1970	17	73	307	184	475	61	1 118
1971	19	81	280	178	508	54	1 120
1972	21	79	290	205	599	70	1 266
1973	28	113	319	222	873	94	1 648
1974	39	131	394	281	846	132	1 823
1975	36	114	433	243	851	137	1 815
1976	36	143	448	307	995	149	2 078
1977	46	144	480	373	1 089	136	2 269
1978	50	165	511	428	1 281	163	2 597
1979	56	188	586	483	1 676	187	3 175
1980	61	200	553	527	1 801	187	3 329
1981	67	222	683	587	1 479	243	3 280
1982	56	165	599	540	1 302	241	2 902
1983	64	217	636	621	1 726	215	3 481
1984	90	271	661	693	1 683	236	3 634
1985	97	249[b]	616[b]	714	1 686	232[b]	3 594
1986	107[b]	267	747	796[b]	1 621	246[b]	3 784
1987e	x	286	798	756	x	..	4 452
1988	x	349	828	828	x	..	4 843

[a] For additional information on shipments of roundwood in British Columbia, see Section X.C.
[b] Data for poles and pilings are included in the Canada total due to confidentiality at the provincial level.

Note: Data not compiled by Statistics Canada for the 1987 Census of Manufactures.

Source: Statistics Canada Cat. No. 25-201.

II - 4. Shipments[a] of Roundwood by Category and Species Group, 1970-1988

Year	Logs and bolts		Pulpwood		Other roundwood	Total roundwood	Wood chips
	Softwoods	Hardwoods	Softwoods	Hardwoods			
			1 000 m^3				1 000 t
A. Quantity							
1970	51 206	1 771	40 643	4 124	291	98 035	69
1971	52 059	1 692	36 050	3 895	281	93 978	22
1972	55 704	1 849	37 809	3 563	302	99 226	51
1973	63 706	1 896	39 003	4 607	297	109 509	37
1974	57 103	2 358	42 417	5 348	405	107 631	90
1975	45 137	1 414	36 053	2 198	422	85 224	124
1976	59 702	1 515	34 525	3 167	379	99 289	275
1977	62 105	1 717	32 432	3 635	341	100 230	318
1978	65 640	1 573	34 686	3 457	283	105 638	133
1979	66 675	1 691	36 303	3 780	532	108 980	134
1980	68 508	1 598	33 705	3 383	532	107 727	182
1981	60 495	1 401	37 359	4 286	512	104 053	217
1982	48 729	1 332	32 717	3 492	117[b]	86 387	482
1983	62 891	1 402	29 906	4 435	71[b]	98 704	643
1984	60 655	2 271	33 155	6 284	84[b]	102 449	516
1985	58 447	1 842	35 276	4 747	158[b]	100 470[c]	870
1986	60 107	1 804	35 743	5 368	160[b]	103 182[c]	1 138
1987	..	..	..	..	..	..	..
1988	54 408	977	32 576	6 344	..	..	1 238
B. Value ($000 000)							
1970	542	23	501	42	10	1 118	2
1971	588	23	458	41	10	1 120	–
1972	700	27	491	37	10	1 265	1
1973	998	31	555	56	8	1 648	1
1974	978	42	719	72	12	1 823	3
1975	795	31	737	38	14	1 615	4
1976	1 182	34	789	58	14	2 078	14
1977	1 332	41	811	72	13	2 269	19
1978	1 577	42	891	74	14	2 597	7
1979	2 024	48	986	91	26	3 175	7
1980	2 179	50	991	84	25	3 329	11
1981	2 888	45	1 204	123	20	3 280	11
1982	1 645	41	1 100	110	6	2 902	20
1983	2 185	50	1 095	144	6	3 481	32
1984	2 142	70	1 220	194	7	3 634	28
1985	2 092	67	1 277	148	12	3 594[c]	46
1986	2 231	64	1 313	164	12	3 784[c]	58
1987e	3 018	30	1 197	178	29	4 452	63e
1988	3 296	35	1 269	208	33	4 843	68

[a]For additional information on the discrepancies between production and shipments figures, see Section X.C.
[b]Other roundwood includes only poles and pilings since 1982.
[c]Excluding $4 million of other roundwood in 1985 and $7 million in 1986.

Note: Data not compiled by Statistics Canada for the 1987 Census of Manufactures.

Source: Statistics Canada Cat. No. 25-201.

II - 5. Roundwood Production on Federal Lands by Agency and Category, 1989-1990

Agency/ roundwood category	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	Total
						1 000 m^3							
A. Yukon and N.W.T.	...	...	...	...	...	...	...	...	...	...	**130.5**	**45.4**	**175.9**
Logs and bolts	...	...	...	...	...	...	...	...	...	...	**69.2**	**25.4**	**94.6**
Pulpwood	...	...	...	...	...	...	...	...	...	...	-	-	-
Fuelwood	...	...	...	...	...	...	...	...	...	...	**60.1**	**19.3**	**79.4**
Other roundwood	...	...	...	...	...	...	...	...	...	...	**1.1**	**0.7**	**1.8**
B. Indian reserves	-	**0.1**	**2.6**	**22.3**	**161.5**	**152.2**[a]	**10.7**[a]	**18.4**	**3.1**	**278.7**	-	-	**649.6**
Logs and bolts	-	-	-	-	**12.6**	**90.0**[a]	**0.8**[a]	**1.4**	**1.6**	**238.3**	-	-	**344.9**
Pulpwood	-	-	**1.3**	**21.5**	**33.7**	**35.6**[a]	-[a]	-	**1.5**	**26.5**	-	-	**120.1**
Fuelwood	-	**0.1**	**1.3**	**0.8**	**1.1**	**26.5**[a]	**9.9**[a]	**17.1**	-	-	-	-	**56.7**
Other roundwood	-	-	-	-	**114.0**	-[a]	--[a]	-	-	**13.9**	-	-	**128.0**
C. National Defence land	-	-	-	**101.3**	**0.1**	**41.5**	-	-	-	**31.4**	-	-	**174.3**
Logs and bolts	-	-	-	**25.6**	-	**26.8**	-	-	-	**29.5**	-	-	**82.0**
Pulpwood	-	-	-	**34.7**	--	**10.7**	-	-	-	**0.1**	-	-	**45.5**
Fuelwood	-	-	-	**13.3**	--	**1.4**	-	-	-	**1.9**	-	-	**16.6**
Other roundwood	-	-	-	**27.7**	-	**2.6**	-	-	-	-	-	-	**30.2**
D. Forestry Canada	...	...	...	**7.1**	-	**1.6**	...	...	...	...	...	...	**8.7**
Logs and bolts	...	...	...	**2.0**	-	**1.5**	...	...	...	...	...	...	**3.5**
Pulpwood	...	...	...	**2.6**	-	--	...	...	...	...	...	...	**2.6**
Fuelwood	...	...	...	**2.5**	-	**0.1**	...	...	...	...	...	...	**2.6**
Other roundwood	...	...	...	--	-	--	...	...	...	...	...	...	--
E. Other	**1.8**	-	-	-	-	-	**0.1**	-	**131.7**	-	-	-	**133.6**
Logs and bolts	-	-	-	-	-	-	**0.1**	-	**131.7**	-	-	-	**131.8**
Pulpwood	**1.8**	-	-	-	-	-	-	-	-	-	-	-	**1.8**
Fuelwood	-	-	-	-	-	-	-	-	-	-	-	-	-
Other roundwood	-	-	-	-	-	-	-	-	-	-	-	-	-
F. Total	**1.8**	**0.1**	**2.6**	**130.7**	**161.6**	**195.3**	**10.9**	**18.4**	**134.8**	**310.1**	**130.5**	**45.4**	**1 142.1**
Logs and bolts	-	-	-	**27.7**	**12.8**	**118.4**	**0.9**	**1.4**	**133.3**	**267.8**	**69.2**	**25.4**	**656.7**
Pulpwood	**1.8**	-	**1.3**	**58.8**	**33.7**	**46.3**	-	-	**1.5**	**26.5**	-	-	**170.0**
Fuelwood	-	**0.1**	**1.3**	**16.5**	**1.1**	**28.0**	**9.9**	**17.1**	-	**1.9**	**60.1**	**19.3**	**155.3**
Other roundwood	-	-	-	**27.7**	**114.0**	**2.6**	--	-	-	**13.9**	**1.1**	**0.7**	**160.1**

[a]Estimates based on 1986-87 and 1987-88 data.

Source: Special compilation, Forestry Canada.

II - 6. Pulpwood Production for Domestic Consumption and Receipts of Wood Residues by Domestic Mills, 1970-1990

Year	Pulpwood production for domestic consumption						Receipts of wood residues by domestic mills			
		Receipts								
	Limit production[a]	at mill of purchased pulpwood (except B.C.)	of pulpwood by mills in B.C.[b]	Total	Imports of pulpwood (subtract)	Net pulpwood production for domestic consumption	Wood chips	Veneer cores, slabs and edgings, sawdust, shavings, etc.	Total wood residues	Total
					1 000 m^3					
1970	26 469	14 266	9 442	50 177	222	49 955	16 984	960	17 944	67 898
1971	22 590	12 714	9 554	44 858	262	44 596	19 232	1 249	20 480	65 077
1972	24 092	11 935	9 128	45 155	389	44 766	21 495	1 875	23 370	68 136
1973	30 933	12 102	9 332	52 367	304	52 063	24 636	2 911	27 547	79 610
1974	35 479	14 684	9 843	60 005	626	59 379	28 407	2 569	30 976	90 355
1975	29 137	11 292	6 634	47 063	492	46 571	21 608	1 882	23 490	70 061
1976	24 157	11 415	7 673	43 245	503	42 742	31 467	2 552	34 019	76 761
1977	27 201	11 107	6 489	44 797	613	44 184	31 180	2 410	33 590	77 774
1978	27 930	12 092	6 037	46 059	618	45 441	33 489	2 766	36 255	81 696
1979	31 012	12 691	5 854	49 557	824	48 732	36 352	2 923	39 275	88 007
1980	28 758	15 229	6 478	50 466	614	49 852	37 206	2 768	39 974	89 826
1981	29 784	16 811	6 620	53 215	527	52 688	35 357	2 762	38 119	90 807
1982	21 906	13 875	6 087	41 867	529	41 338	30 703	2 643	33 346	74 684
1983	23 397	14 263	6 058	43 718	560	43 158	36 251	3 476	39 727	82 885
1984	26 002	16 441	5 756	48 199	609	47 591	36 964	4 157	41 121	88 712
1985	24 449	15 417	5 278	45 145	526	44 619	41 026	4 154	45 180	90 325
1986	23 966	16 276	5 569	45 812	329	45 483	42 261	4 403	46 664	92 147
1987	..	..	..	45 539	..	..	51 443	4 988	56 431	..
1988	..	..	..	46 812	..	..	51 527	4 753	56 280	..
1989	..	..	..	47 688	..	..	52 011	4 644	56 655	..
1990	..	..	..	42 076	..	..	50 724	4 712	55 436	..

[a] Limit production means the volume produced from an owner's freehold lands or leased lands.
[b] Data on production of pulpwood as such are not available for British Columbia. The figures shown represent receipts of pulpwood.

Source: Statistics Canada Cat. No. 25-001.

II - 7. Lumber Production by Province and Species Group, 1950-1990

Year	Species group	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Canada
							1 000 m^3						
1950	Softwoods	104	27	605	636	2 186	1 551	125	142	772	8 254	8	14 410
	Hardwoods	3	1	58	69	479	384	13	14	9	25	-	1 055
	Total	107	27	664	705	2 665	1 935	138	156	781	8 280	8	15 465
1960	Softwoods	67	20	525	581	2 119	1 098	65	145	718	12 511	14	17 862
	Hardwoods	1	--	23	75	514	386	16	14	8	7	-	1 045
	Total	68	20	548	656	2 633	1 484	82	159	726	12 518	14	18 907
1970	Softwoods	81	28	464	564	3 321	1 494	83	248	1 092	18 056	17	25 449
	Hardwoods	-	--	12	96	464	508	40	-	8	12	-	1 139
	Total	81	28	476	660	3 785	2 002	122	248	1 100	18 067	17	26 588
1975	Softwoods	68	28	374	609	4 309	1 917	164	263	1 003	17 566	10	26 312
	Hardwoods	1	-	13	71	479	396	29	-	-	3	-	993
	Total	70	28	387	680	4 787	2 313	193	264	1 003	17 569	10	27 305
1976	Softwoods	100	28	429	686	5 170	2 277	207	454	1 201	25 075	11	35 638
	Hardwoods	2	-	14	83	562	497	20	7	-	-	-	1 184
	Total	102	28	443	769	5 731	2 773	228	460	1 201	25 075	11	36 822
1977	Softwoods	111	28	423	695	6 051	2 731	211	499	1 455	28 377	14	40 594
	Hardwoods	2	-	12	61	442	459	22	15	22	1	-	1 038
	Total	113	28	435	756	6 493	3 191	233	514	1 477	28 378	14	41 633
1978	Softwoods	112	30	437	879	6 948	3 267	220	479	1 621	29 569	14	43 576
	Hardwoods	1	8	11	56	624	561	30	9	9	2	-	1 311
	Total	113	38	448	935	7 572	3 828	250	488	1 631	29 570	14	44 887
1979	Softwoods	116	33	470	991	7 655	3 645	226	438	1 607	30 355	28	45 564
	Hardwoods	2	7	22	68	464	505	43	6	16	2	-	1 136
	Total	118	40	492	1 059	8 119	4 150	270	444	1 622	30 357	28	46 700
1980	Softwoods	99	35	427	1 146	7 361	3 868	247	394	1 704	28 202	40	43 524
	Hardwoods	2	2	18	78	698	599	37	21	12	5	-	1 472
	Total	101	38	444	1 224	8 059	4 468	284	415	1 716	28 207	40	44 996
1981	Softwoods	77	35	379	865	7 030	3 717	191	440	1 926	24 544	32	39 237
	Hardwoods	2	7	24	59	354	471	31	11	19	3	-	980
	Total	79	42	403	924	7 384	4 181	222	452	1 945	24 547	32	40 217

II - 7. Lumber Production by Province and Species Group, 1950-1990 (concluded)

Year	Species group	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Canada
							1 000 m^3						
1982	Softwoods	68	24	338	660	6 100	3 328	222	450	1 746	23 406	22	36 364
	Hardwoods	1	5	22	49	417	536	31	8	20	-	-	1 088
	Total	70	28	361	708	6 517	3 864	252	458	1 767	23 406	22	37 452
1983	Softwoods	86	38	405	1 124	8 515	3 606	172	457	2 447	30 774	-	47 624
	Hardwoods	2	-	18	66	326	511	40	-	77	4	-	1 043
	Total	88	38	423	1 190	8 841	4 117	212	457	2 524	30 778	-	48 666
1984	Softwoods	88	38	445	1 012	8 383	3 972	105	520	2 287	30 859	-	47 706
	Hardwoods	1	-	15	55	469	586	33	-	119	3	-	1 281
	Total	89	38	460	1 066	8 852	4 559	138	520	2 405	30 862	-	48 989
1985	Softwoods	35	11	378	1 244	9 482	4 502	163	482	2 687	32 116	-	51 099
	Hardwoods	12	-	49	60	438	445	4	-	-	3	-	1 010
	Total	47	11	426	1 304	9 920	4 946	167	482	2 687	32 119	-	52 109
1986	Softwoods	37	14	436	1 428	10 757	4 583	215	457	2 944	30 990	-	51 860
	Hardwoods	15	-	30	49	551	539	8	-	-	6	-	1 199
	Total	52	14	466	1 477	11 308	5 121	223	457	2 944	30 996	-	53 059
1987[a]	Softwoods	-	-	466	1 664	11 338	5 161	283	529	3 516	37 332	-	60 289
	Hardwoods	-	-	18	52	597	703	43	-	72	3	-	1 487
	Total	-	-	484	1 716	11 935	5 864	325	529	3 587	37 336	-	61 775
1988[a]	Softwoods	-	-	507	1 715	10 549	5 348	227	559	3 738	36 733	-	59 376
	Hardwoods	-	-	20	52	539	643	21	-	76	3	-	1 354
	Total	-	-	527	1 767	11 088	5 991	248	559	3 814	36 736	-	60 730
1989[a]	Softwoods	-	-	503	1 491	10 097	5 140	276	570	3 879	35 947	-	57 903
	Hardwoods	-	-	21	46	531	635	24	-	79	4	-	1 341
	Total	-	-	524	1 537	10 629	5 775	300	570	3 958	35 952	-	59 245
1990[a]	Softwoods	-	-	553	1 480	8 964	4 545	248	473	3 929	33 505	-	53 696
	Hardwoods	-	-	23	46	472	562	22	-	80	9	-	1 213
	Total	-	-	576	1 526	9 436	5 106	269	473	4 009	33 514	-	54 909

[a]1950-1986 data from the annual Census of Manufactures, 1987-1990 data from the monthly survey.

Note: Figures for the period 1988-1990 were revised in September 1991.
Figures for 1987 were revised in October 1990.

Source: Statistics Canada Cat. No. 35-204, 35-250, 35-002, and 35-003.

LUMBER

Millions of cubic metres

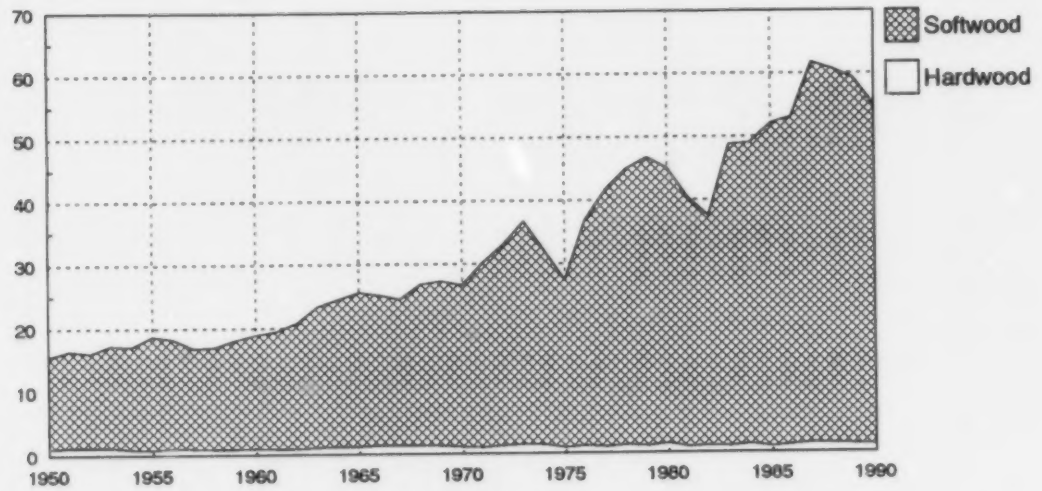

Figure 10. Lumber production in Canada, 1950-1990.

Source: Statistics Canada, Cat. No. 35-204, 35-250, 35-002 and 35-003.

LUMBER

Millions of cubic metres

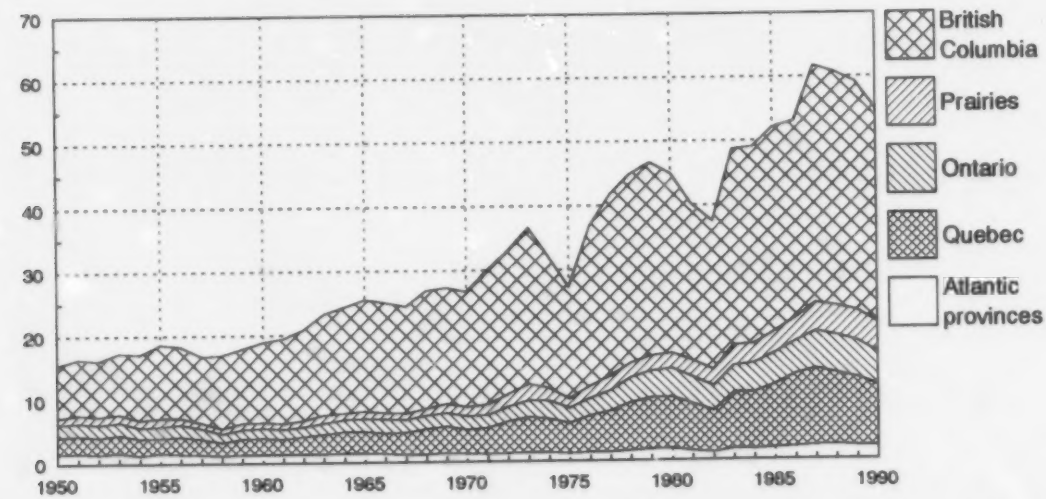

Figure 11. Lumber production by region, 1950-1990.

Source: Statistics Canada, Cat. No. 35-204, 35-250, 35-002 and 35-003.

II - 8. Shipments of Hardwood Lumber[a] by Species Group, 1970-1988

Year	Maple	Yellow birch	White birch	Poplar, aspen, cottonwood	Elm	Basswood	Beech	Ash	Oak	Other[b]	Total hardwoods	Total softwoods and hardwoods
A. Quantity (1 000 m³)												
1970	391	270	33	27	41	37	12	7	12	229	1 059	25 857
1975	364	219	9	39	18	24	16	9	12	93	803	25 917
1976	353	225	7	39	16	27	15	9	14	105	810	33 693
1977	325	208	20	41	7	25	14	10	18	111	779	39 014
1978	343	231	19	48	9	32	17	10	23	111	843	41 980
1979	407	197	26	65	9	32	19	13	39	132	939	42 948
1980	331	172	29	67	7	28	19	13	40	127	833	40 348
1981	307	159	21	54	6	30	13	9	37	106	742	39 180
1982	199	97	18	87	2	23	12	7	40	50	535	35 098
1983	211	149	24	162	1	21	13	6	39	43	668	44 772
1984	228	138	36	148	1	19	13	6	52	83	724	47 307
1985	422e	155e	44e	227e	x	..	23e	26e	115e	87e	1 099[c]	52 678e
1986	301e	253e	93e	237e	x	63e	31e	28e	170e	64e	1 240e	52 751e
1987	..	..	..	..	..	..	..	..	..	..	..	..
1988	201	156[f]	..	108e	..	30e	15	..	123e	117	750	57 640
B. Value ($000 000)												
1970	23	15	1	1	2	2	-	-	1	11	56	925
1975	29	19	1	2	1	2	1	1	1	8	65	1 473
1976	30	21	1	2	1	3	1	1	2	8	69	2 203
1977	30	20	2	3	1	3	1	1	2	9	71	2 960
1978	36	25	2	3	1	4	1	1	3	10	87	3 863
1979	51	26	3	6	1	4	2	2	6	16	117	4 667
1980	43	24	4	6	1	4	2	2	9	15	110	4 006
1981	42	22	3	5	1	4	1	1	8	15	102	3 623
1982	26	14	2	9	1	4	1	1	8	6	72	3 106
1983	32	25	3	14	--	3	2	1	8	5	94	4 598
1984	36	24	5	17	--	3	2	1	10	16	115	4 782
1985	73e	28	7	28e	x	6e	4	5	36e	10e	197[d]	5 537e
1986	53e	45e	13[e]	29e	x	9e	5	6e	51e	12e	223e	6 019e
1987e	39	25[f]	..	17	..	5	3	..	45	27	161	6 425
1988	38	27[f]	..	17e	..	5e	3	..	54	32	176	6 771

[a] As reported by sawmills and planing mills.
[b] Including red alder in some cases.
[c] Including elm and basswood (approximately 36 000 m³).
[d] Including elm (approximately $1 000 000).
[e] Including white birch.

Note: Data not compiled by Statistics Canada for the 1997 Census of Manufactures.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

II - 9. Shipments of Softwood Lumber[a] by Species Group, 1970-1988

Year	Spruce	Hemlock	Douglas-fir	Cedar	Jack and lodgepole pines	White pine	Ponderosa and red pine	Balsam fir	Yellow cypress	Other	Total softwoods	Total softwoods and hardwoods
A. Quantity (1 000 m³)												
1970	10 482	4 687	3 943	1 957	1 774	493	96	481	45	841	24 799	25 857
1975	13 701	3 549	2 510	1 945	2 409	423	77	263	114	122	25 113	25 917
1976	17 370	5 625	3 214	2 592	2 991	504	101	204	142	142	32 885	33 693
1977	20 700	6 870	3 187	2 535	3 737	541	82	304	92	187	38 235	39 014
1978	21 857	7 093	3 281	2 709	4 818	688	99	337	148	107	41 137	41 960
1979	22 812	6 371	3 535	2 564	5 168	642	86	581	119	131	42 009	42 948
1980	21 654	6 034	2 912	2 594	4 743	570	96	635	104	164	39 515	40 348
1981	21 581	5 091	2 580	2 722	4 759	572	129	779	142	83	38 438	39 180
1982	19 739	4 402	2 237	2 470	3 916	535	283	772	140	67	34 563	35 098
1983	26 377	5 360	2 696	2 976	4 485	631	79	973	181	345	44 104	44 772
1984	31 244	5 370	2 807	3 078	2 185	649	149	560	166	375	46 573	47 307
1985	35 936	5 587	2 753	3 333[b]	2 073	823e	164e	650	217	43	51 579e	52 678e
1986	36 256	5 511	2 408	2 960	2 398	729	240e	762	247	-	51 511e	52 751e
1987	..	..	..	..	..	..	..	..	..	..	..	..
1988	39 453	6 099	3 504	3 258	2 340	505	144e	554	159	875	56 891	57 640
B. Value ($000 000)												
1970	333	168	146	92	54	26	4	17	3	27	870	925
1975	694	216	150	158	115	36	5	16	9	9	1 408	1 473
1976	1 007	385	219	272	162	45	9	13	13	9	2 134	2 203
1977	1 381	552	263	332	243	54	7	23	18	16	2 889	2 960
1978	1 810	663	319	436	394	81	10	30	24	9	3 776	3 863
1979	2 123	777	437	542	468	93	11	55	32	12	4 551	4 667
1980	1 831	742	322	420	383	83	11	58	28	16	3 894	4 006
1981	1 749	532	264	412	359	84	15	67	31	8	3 521	3 623
1982	1 475	478	207	388	281	77	26	71	25	6	3 034	3 106
1983	2 360	628	270	577	401	96	11	89	38	34	4 504	4 598
1984	2 757	589	286	588	199	109	20	55	34	30	4 667	4 782
1985	3 260	655	306	616[b]	196	141	23e	62	50	31	5 340e	5 537e
1986	3 580	752	285	605	249	126	35e	74	87	3	5 796e	6 019e
1987e	x	902	426	745	185	118	23	60	61	..	6 263	6 425
1988	3 889	937	461	729	220	108	21	63	67	100	6 596	6 771

[a] As reported by sawmills and planing mills.
[b] Including shingles and shakes.

Note: Data not compiled by Statistics Canada for the 1987 Census of Manufactures.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

II - 10. Shipments of Softwood Lumber[a] by Province, 1970-1988

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
A. Quantity (1 000 m^3)											
1970	46e	4	398	594	3 089	1 244	61e	222e	1 149e	18 009	24 799
1975	17	-	289	592	4 333	1 502	146e	354e	1 017e	16 874	25 113
1976	9	-	281	686	5 111	1 665	155e	347e	1 207e	23 437	32 886
1977	5	-	300	683	6 208	2 062	175e	469e	1 435e	26 920e	38 235
1978	x	-	334	825	7 088	2 464	191e	472e	1 466e	28 301e	41 137
1979	21	x	323	978	7 315	2 869	210	450e	1 547e	28 283e	42 009
1980	12	x	260	928	7 013	2 833	198	344e	1 519	26 399e	39 515
1981	-	x	253	888	6 947	3 058	215e	423e	1 783	24 867e	38 438
1982	x	x	229	584	5 956	2 584	164e	387e	1 701	22 954e	34 563
1983	x	x	258	887	7 705	3 141	153e	442	2 348	29 167	44 104
1984	x	x	273	968	8 117	3 553	135e	481	2 683	29 859	46 583
1985	x	x	x	x	x	x	x	x	x	x	51 579
1986	36	13	..	1 433	..	4 638	207	x	..	x	51 511
1987	..	..	..	..	..	..	..	..	..	..	..
1988	x	x	x	1 693	10 386	4 289	244e	553	3 458	36 156	56 891
B. Value ($000 000)											
1970	2e	--	16	23	107	48	2e	7e	34e	632	870
1975	1	-	22	39	232	91	10e	17e	49e	949	1 408
1976	1	-	23	46	302	110	10e	19e	68e	1 556	2 134
1977	1	-	26	49	397	155	12e	33e	95e	2 121e	2 869
1978	x	-	32	69	543	232	16e	39e	121e	2 724e	3 776
1979	2	x	36	93	645	287	22	39e	136e	3 289e	4 551
1980	1	x	32	92	589	263	17	26e	112	2 762e	3 894
1981	-	x	31	84	571	289	18e	32e	131	2 364e	3 521
1982	x	x	27	53	470	240	14e	27e	113	2 089e	3 034
1983	x	x	34	88	702	329	16e	40	201	3 092	4 504
1984	x	x	39	95	778	373	15e	42	221	3 057	4 667
1985	x	x	x	x	x	x	x	x	x	x	5 340e
1986	4	1	..	154	1 062	509	21	x	268	3 669	5 796e
1987e	x	x	x	x	975	413	22	45	279	4 331	6 263
1988	x	x	x	202	1 033	449	25	52	309	4 519	6 596

[a]Where softwood lumber figures are not available, the total figure for softwood and hardwood is indicated.

Note: Data not compiled by Statistics Canada for the 1987 Census of Manufactures.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

II - 11. Shipments of Lumber from Province of Origin to Point of Destination[a], 1982-1990

Point of destination/ year	Province of origin					
	Quebec	Ontario	Alberta	British Columbia	Other provinces	Canada
			1 000 m^3			
A. Canada						
1982	3 228	1 541	1 011	6 645	847	13 272
1985	5 255	2 218	2 779	10 149	1 244	21 645
1986	5 786	2 356	2 985	9 600	1 346	22 073
1987	6 122	3 015	2 289	11 192	1 359	23 977
1988	5 525	x	2 933	10 390	4 504[b]	23 352
1989	5 183	x	3 007	10 010	4 176[b]	22 376
1990	4 159	2 345	3 204	8 691	999	19 399
B. United States						
1982	2 123	x	763	12 149	1 677[b]	16 712
1985	3 149	x	257	18 486	2 795[b]	24 687
1986	3 225	x	171	17 370	2 685[b]	23 451
1987	x	x	1 298	19 979	5 178[c]	26 455
1988	2 910	x	880	19 112	1 868[b]	24 770
1989	x	x	845	18 753	4 723[c]	24 321
1990	2 791	x	766	17 030	1 644[b]	22 231
C. Other countries						
1982	417	x	-	4 377	231[b]	5 025
1985	116	x	-	3 810	78[b]	4 004
1986	176	x	-	3 822	155[b]	4 153
1987	x	x	-	5 739	442[c]	6 181
1988	x	x	-	6 141	713[c]	6 854
1989	x	x	-	6 039	912[c]	6 951
1990	811	x	-	6 093	502[b]	7 406
D. Estimated shipments and adjustments[d]						
1982	1 052	1 064	-	1 152	258	3 526
1985	1 284	1 028	-	777	623	3 712
1986	1 402	938	-	675	373	3 388
1987	2 268	960	-	679	595	4 502
1988	2 511	912	-	980	868	5 271
1989	1 882	1 735	-	1 168	686	5 471
1990	1 816	1 829	-	1 144	731	5 320
E. Total shipments[e]						
1982	6 821	3 945	1 774	24 323	1 672	38 535
1985	10 603	5 417	2 882	33 221	2 669	54 792
1986	11 207	6 012	3 189	31 467	2 914	54 789
1987	11 719	5 856	3 587	37 592	3 026	61 780
1988	10 861	5 906	3 812	36 622	3 032	60 233
1989	10 596	5 899	3 968	35 969	2 926	59 348
1990	9 378	5 357	3 971	32 969	2 693	54 357

[a]Census of manufactures monthly survey.
[b]Including confidential figures for Ontario.
[c]Including confidential figures for Ontario and Quebec.
[d]Sawmills in Nova Scotia producing less than 2 360 m^3, sawmills in New Brunswick, Quebec, Ontario, and Manitoba producing less than 4 720 m^3 per year, and sawmills in British Columbia producing less than 7 080 m^3 per year are excluded from this survey. In Saskatchewan, only the Saskatchewan Timber Board and the few relatively large independent mills are asked to report; Alberta data are produced by Alberta. All other mills are estimated. The total shipments are free of duplication.
[e]Total shipments may not add up due to 1986 benchmark revisions for the years 1986-1988.

Source: Statistics Canada Cat. No. 35-002 and 35-003.

II - 12. Wood Pulp Production by Category, 1950-1990

Year	Dissolving and special alpha, sulphite and sulphate	Chemical					Semi-chemical	Mechanical		Screenings chemical and mechanical	Pulp other than wood pulp	Total
		Sulphite		Sulphate				Groundwood	Defibrated and exploded			
		Bleached	Unbleached	Bleached	Semibleached	Unbleached						
		1 000 t										
1950	305	386	1 315	408	..[a]	548	..	4 455	..	96	174	7 687
1960	356	519	1 559	1 062	257	895	..	5 335	143	66	205	10 397
1970	411	683	1 871	3 660	1 084	1 341	296	6 940	259	64	-	16 609
1971	388	587	1 706	3 853	1 150	1 467	301	6 718	307	65	-	16 542
1972	370	526	1 711	4 391	1 127	1 639	337	6 967	330	55	-	17 453
1973	293	507	1 750	5 049	1 097	1 922	349	7 196	345	55	-	18 563
1974	333	734	1 865	5 409	1 097	1 942	328	7 589	320	62	-	19 679
1975	226	516	1 443	4 219	863	1 314	276r	6 007	263	28	-	15 155r
1976	222	609	1 648	5 265	1 037	1 560	312r	7 036	259	41	-	17 969r
1977	230	636	1 621	5 300	1 039	1 574	314r	7 226	243	34	-	18 217r
1978	341	516	1 787	5 871	1 054	1 942	383r	7 910	369	44	-	20 217r
1979	311	478	1 806	6 282	1 038	2 061	422r	7 956	397	45	-	20 796r
1980	313	405	1 763	6 754	1 182	1 689	402r	7 521	..	25	-	20 054r
1981	274	430	1 819	6 261	1 057	1 497	382r	7 652r	..	19	-	19 391r
1982	220	280	1 446	5 915	916	1 235	319r	6 888r	..	18	-	17 237r
1983	216	304	1 353	6 743	1 019	1 486	382r	7 938r	..	15	-	19 456r
1984	221	366	1 405	6 782	1 065	1 469	410r	8 682r	..	17	-	20 417r
1985	222	329	1 269	7 047	1 170	1 383	330r	8 714r	..	17	-	20 481r
1986	223	428	1 248	7 623	1 188	1 410	406r	9 253r	..	19	-	21 798r
1987	241	454	1 296	8 211	1 169	1 474	440r	9 820r	..	18	-	23 123r
1988	267r	441	1 298	8 383r	1 100	1 463r	430r	10 420r	..	16	..	23 818r
1989	273	415	1 212	8 445	1 055	1 356	432	10 507	..	13	..	23 706
1990	221	428	1 023	7 937	863	1 360	465	10 531	..	8	..	22 836

[a] Included with sulphate-bleached wood pulp.

Sources: Statistics Canada Cat. No. 36-204 and 36-250. 1950-1979. Canadian Pulp and Paper Association Reference Tables 1990.

II - 13. Wood Pulp Production by Region, 1950-1990

Year	Quebec	Ontario	British Columbia	Other provinces	Canada
			1 000 t		
1950	3 559	2 085	705	1 339	7 688
1960	4 055	2 692	1 927	1 725	10 398
1970	5 898	3 601	4 100	3 011	16 609
1971	5 666	3 447	4 409	3 020	16 541
1972	5 893	3 572	4 576	3 412	17 453
1973	5 591	3 669	5 337	3 968	18 582
1974	6 352	3 878	5 267	4 182	19 679
1975	5 198	2 540	3 998	3 419r	15 156r
1976	5 881	3 060	5 320	3 729r	17 990r
1977	5 860	3 662	4 831	3 865r	18 218r
1978	6 632	4 127	5 426	4 031r	20 216r
1979	6 869	4 322	5 523	4 082r	20 796r
1980	6 109	4 101	5 727	4 117r	20 054r
1981	6 458	4 095	4 835r	4 003r	19 391r
1982	5 758r	3 453	4 823r	3 203r	17 237r
1983	6 278r	3 862	5 702r	3 613r	19 455r
1984	6 538	4 243	5 358r	4 278r	20 417r
1985	6 331	4 097	6 024	4 029r	20 481r
1986	6 854	4 259r	6 346r	4 339r	21 798r
1987	7 208	4 372	7 035	4 509r	23 124r
1988	7 550r	4 446r	7 251r	4 571r	23 818r
1989	7 327	4 458	7 181r	4 742	23 708
1990	7 217	4 188	6 799	4 632	22 836

Note: Approximately 76% of the wood pulp is used in production of paper and board in Canada.

Sources: Statistics Canada Cat. No. 36-204. 1950-1979. Canadian Pulp and Paper Association Reference Tables 1990.

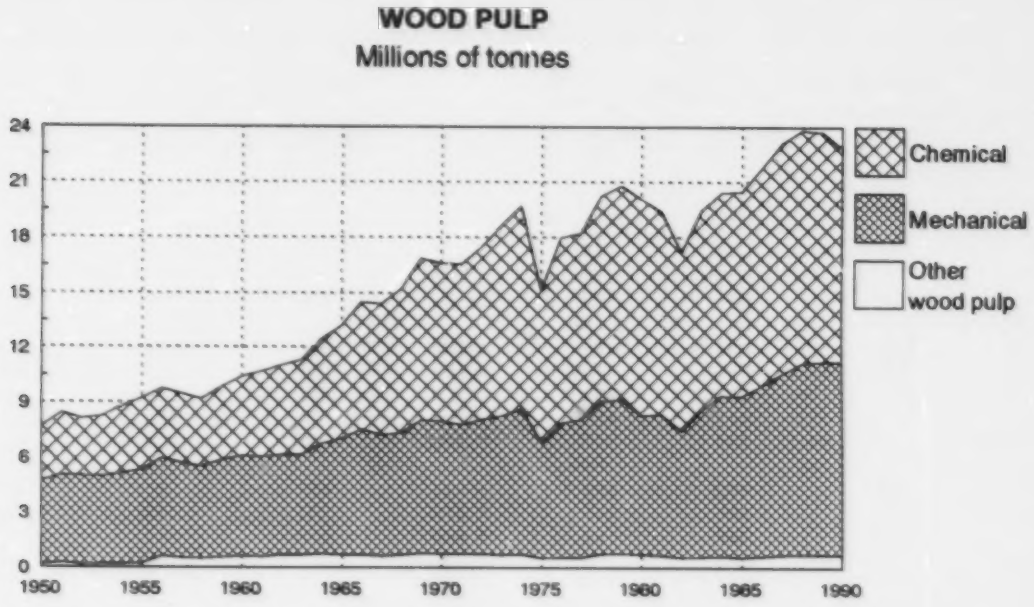

Figure 12. Wood pulp production in Canada, 1950-1990.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

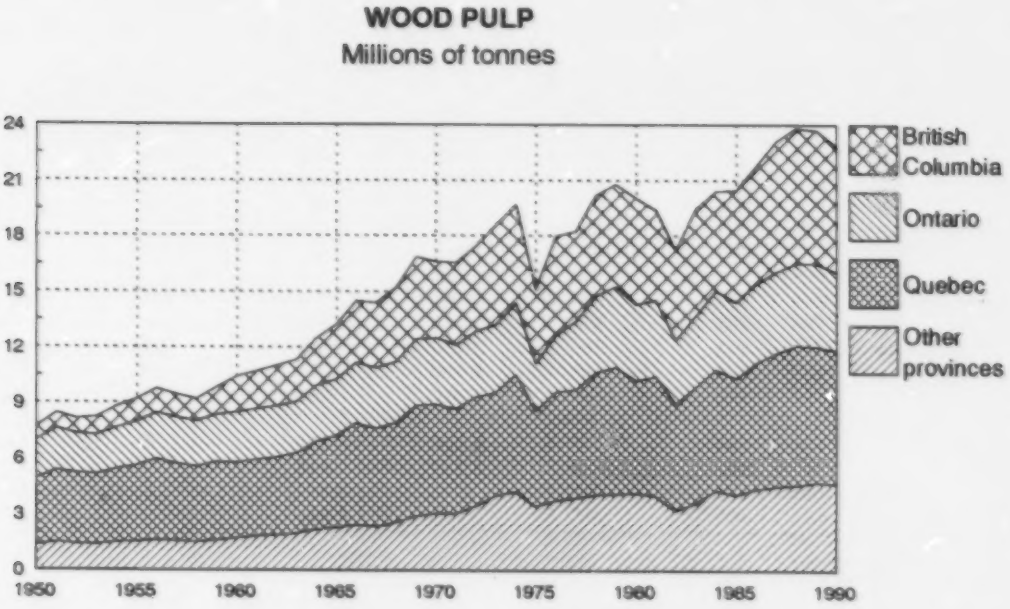

Figure 13. Wood pulp production by region, 1950-1990.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

II - 14. Shipments of Wood Pulp by Category, 1960-1990

Year	Dissolving and special alpha	Chemical					Mechanical	Total
		Sulphite		Sulphate				
		Bleached	Unbleached	Bleached	Semibleached	Unbleached		
A. Quantity (1 000 t)								
1960	347	416	226	996	151	347	314	2 798
1970	394	555	238	3 437	706	413	304	6 046
1975	210	462	105	3 853	467	329	224	5 650
1976	214	559	132	4 757	552	288	266	6 769
1977	228	596	107	4 879	683	305	288	7 066
1978	324	492	120	5 784	704	293	323	8 021
1979	324	441	133	5 890	645	292	364	8 089
1980	272	400	133	6 132	671	233	325	8 166
1981	266	406	115	5 874	604	245	327	7 836
1982	220	288	82	5 443	513	186	280	7 012
1983	x	353	x[a]	6 377	591	198	477	8 301[b]
1984	x	331	x[a]	6 397	540	165	653	8 272[b]
1985	x	422	x[a]	6 785	630	x	583	8 668[b]
1986	x	475	x[a]	7 462	619	x	682	9 510[b]
1987	..	..	..	..	..	..	..	10 026[b]
1988	..	..	..	..	..	..	..	10 123[b]
1989	..	..	..	..	..	..	..	10 008[b]
1990	..	..	..	..	..	..	..	9 324[b]
B. Value ($000 000)								
1960	59	61	27	145	17	33	26	369
1970	77	86	32	544	102	52	21	913
1975	87	181	31	1 392	168	101	43	1 983
1976	85	181	35	1 625	196	85	48	2 255
1977	95	190	29	1 595	231	81	50	2 271
1978	137	154	33	1 785	218	78	57	2 462
1979	158	182	47	2 445	268	103	85	3 288
1980	166	201	56	3 176	349	103	89	4 141
1981	170	206	50	3 057	319	117	86	4 006
1982	144	143	33	2 651	253	86	74	3 384
1983	x	164	x[a]	2 775	254	72	128	3 519
1984	x	156	x[a]	3 410	289	79	201	4 309
1985	x	198	x[a]	3 090	279	x	184	3 964
1986	x	255	x[a]	3 747	318	x	237	4 786
1987e	..	1 341	x[a]	..	4 444	x	433	x
1988	..	1 608	x[a]	..	4 902	x	493	x

[a]Unbleached included with bleached.
[b]Canadian Pulp and Paper Association.

Note: Data (value) not compiled by Statistics Canada for the 1987 Census of Manufactures.

Sources: Statistics Canada Cat. No. 36-204 and 36-250 and Canadian Pulp and Paper Association Reference Tables 1990.

II - 15. Shipments of Wood Pulp from Province of Origin to Point of Destination, 1980-1990

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
			1 000 t		
A. Canada					
1980	543	341	132	173	1 189
1981	543	372	119	164	1 198
1982	540	330	125	137	1 132
1983	649	404	152	153	1 358
1984	525	439	189	252	1 405
1985	514	492	256	239	1 501
1986	602	488	272	275	1 637
1987	641	459	273	401	1 773
1988	602	430	302	371	1 706
1989	644	439	246	329	1 658
1990	610	369	250	388	1 817
B. United States					
1980	442	948	813	1 230	3 433
1981	460	910	698	1 216	3 284
1982	348	762	372	1 074	2 856
1983	388	951	835	1 115	3 289
1984	416	1 023	764	1 224	3 427
1985	383	921	879	1 227	3 410
1986	428	964	879	1 254	3 525
1987	427	1 006	896	1 253	3 582
1988	427	1 049	947	1 264	3 686
1989	411	1 063	959	1 254	3 687
1990	381	994	897	1 345	3 617
C. Other countries					
1980	238	115	2 689	729	3 771
1981	227	135	2 296	698	3 356
1982	190	92	2 140	550	2 972
1983	190	100	2 550	668	3 508
1984	180	86	2 193	814	3 273
1985	186	117	2 592	705	3 600
1986	284	156	2 849	860	4 149
1987	309	161	3 272	739	4 481
1988	334	155	3 251	732	4 471
1989	434	105	3 345	779	4 663
1990	428	61	2 795	787	4 071
D. Total shipments					
1980	1 222	1 405	3 635	2 132	8 393
1981	1 230	1 417	3 113	2 078	7 838
1982	1 078	1 184	2 937	1 761	6 960
1983	1 227	1 455	3 537	1 936	8 155
1984	1 121	1 548	3 146	2 290	8 105
1985	1 083	1 530	3 727	2 171	8 511
1986	1 314	1 608	4 000	2 389	9 311
1987	1 376	1 626	4 441	2 394	9 837
1988	1 363	1 634	4 499	2 366	9 862
1989	1 489	1 607	4 550	2 362	10 008
1990	1 419	1 424	3 942	2 520	9 305

Source: Canadian Pulp and Paper Association monthly survey, special compilation.

II - 16. Basic Paper and Paperboard Production by Category, 1950-1990

Year	Newsprint	Book and writing	Sanitary	Tissue other than sanitary	Wrapping[a]	Building paper	Paper-board	Total
				1 000 t				
1950	4 825	194	59	11	202	83	796	6 180
1960	6 068	366	113	22	292	75	1 159	8 095
1970	7 996	821	199	19	438	101	1 678	11 252
1975	7 010	679	241	17	431	146	1 542	10 066
1976	8 063	842	288	16	526	149	1 908	11 791
1977	8 066	1 116	292	19	556	143	1 944	12 136
1978	8 739	1 377	314	17	628	129	2 171	13 376
1979	8 642	1 606	343	19	617	125	2 290	13 641
1980	8 625	1 509	377[b]	..	533	..	2 344	13 388
1981	8 946	1 432	388[b]	..	490	..	2 347	13 603
1982	8 097r	1 487r	375[b]	..	454	..	1 982	12 396r
1983	8 414r	1 793r	385[b]	..	472	..	2 286	13 350r
1984	8 917r	2 042r	399[b]	..	430	..	2 440	14 228r
1985	8 890r	2 227r	447[b]	..	487	..	2 374	14 425r
1986	9 202r	2 485r	459[b]	..	541	..	2 573	15 260r
1987	9 630r	2 692r	456[b]	..	567	..	2 695	16 040r
1988	9 840r	3 053r	488[b]	..	568	..	2 702	16 651r
1989	9 640	3 232	486[b]	..	525	..	2 700	16 583
1990	9 068	3 599	495[b]	..	497	..	2 806	16 465

[a] Including sack kraft and other kraft paper.
[b] Including tissue other than sanitary.

Note: Monthly data are not revised and therefore Table II-17 does not match Table II-16.

Sources: Statistics Canada Cat. No. 25-202, 36-204. 1950-1979. Canadian Pulp and Paper Association Reference Tables 1990.

PAPER AND PAPERBOARD
Millions of tonnes

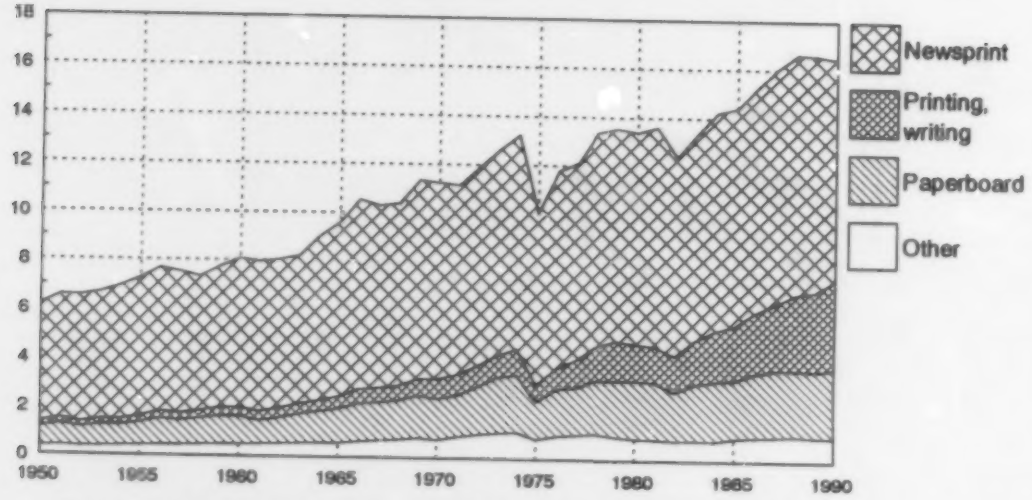

Figure 14. Basic paper and paperboard production in Canada, 1950-1990.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

PAPER AND PAPERBOARD
Millions of tonnes

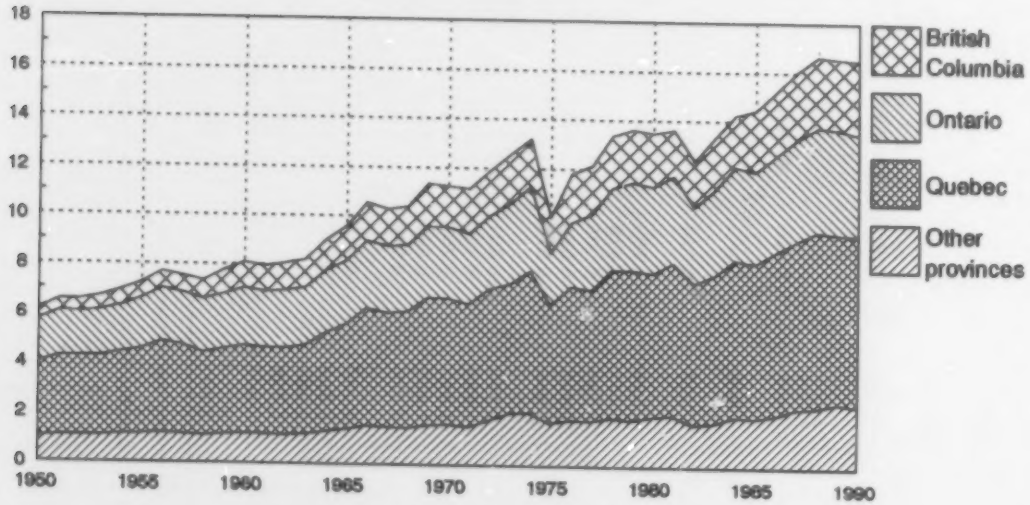

Figure 15. Basic paper and paperboard production by region, 1950-1990.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

II - 17. Basic Paper and Paperboard Production by Category and Region, 1950-1990

Year	Quebec			Ontario			British Columbia	Other provinces	Canada		
	Newsprint	Other paper and paperboard	Total	Newsprint	Other paper and paperboard	Total	Total paper and paperboard	Total paper and paperboard	Newsprint	Other paper and paperboard	Total
						1 000 t					
1950	2 510	499	3 009	1 125	602	1 727	452	993	4 826	1 355	6 180
1960	2 863	680	3 543	1 459	855	2 313	1 043	1 196	6 068	2 027	8 095
1970	3 766	1 298	5 064	1 686	1 198	2 883	1 675	1 631	7 996	3 256	11 252
1975	3 529	1 236	4 765	1 140	959	2 099	1 477	1 725	7 010	3 056	10 066
1976	3 931	1 447	5 378	1 411	1 181	2 592	1 977	1 844	8 063	3 728	11 791
1977	3 726	1 560	5 286	1 610	1 476	3 086	1 952	1 813	8 066	4 070	12 136
1978	4 124	1 830	5 954	1 663	1 654	3 317	2 137	1 967	8 739	4 637	13 376
1979	4 075	1 996	6 071	1 743	1 810	3 553	2 154	1 863	8 642	4 999	13 641
1980	3 921	1 886	5 807	1 756	1 764	3 520	2 165	1 997	8 625	4 863	13 488
1981	4 287	1 869	6 156	1 774	1 755	3 529	1 874	2 067	8 951	4 675	13 626
1982	4 062	1 643	5 705	1 485	1 642	3 127	1 872	1 702	8 108	4 298	12 406
1983	4 075	1 890	5 965	1 639	1 831	3 470	2 148	1 778	8 485	4 876	13 361
1984	4 222	2 120	6 342	1 825	1 949	3 774	2 085	2 036	9 014	5 223	14 237
1985	4 118	2 132	6 250	1 722	2 017	3 739	2 486	1 971	8 988	5 451	14 439
1986	4 285	2 323	6 608	1 773	2 150	3 923	2 601	2 112	9 288	5 973	15 261
1987	4 487	2 306	6 793	1 840	2 295	4 135	2 753	2 369	9 669	6 374	16 044
1988	4 647	2 466	7 113	1 881	2 333	4 214	2 878	2 435	9 969	6 672	16 640
1989	4 321	2 503	6 824	1 871	2 402	4 273	2 846	2 613	9 678	6 878	16 556
1990	4 107	2 801	6 908	1 628	2 460	4 088	3 002	2 488	9 068	7 418	16 486

Note: Monthly data are not revised and therefore Table II-17 does not match Table II-16.

Sources: Statistics Canada Cat. No. 25-202, 36-204. 1950-1979. Canadian Pulp and Paper Association monthly survey. 1980-1990.

II - 18. Shipments of Basic Paper and Paperboard by Category, 1960-1990

Year	Newsprint	Book and writing paper	Sanitary	Tissue other than sanitary	Wrapping[a]	Building paper	Paperboard	Total
A. Quantity (1 000 t)								
1960	6 148	363	37	13	273	75	877	7 786
1970	7 951	798	93	14	439	98	1 600	10 994
1975	7 046	680	87	12	422	141	1 504	9 892
1976	7 953	818	98	12	518	152	1 791	11 341
1977	8 111	1 085	108	15	546	140	1 874	11 880
1978	8 773	1 352	116	16	637	129	2 145	13 167
1979	8 667	1 573	137	17	606	125	2 208	13 333
1980	8 419	1 617	133	16	538	151	2 267	13 140
1981	8 836	1 582	138	16	516	125	2 305	13 519
1982	7 740	1 684	129	15	448	120	1 926	12 062
1983	8 440	1 712	122	17	464	120	2 169	13 044
1984	8 992	1 974	163	..	467[b]	122	2 348	14 066
1985[c]	8 899r	2 218r	455[d]	..	475	..	2 398	14 445
1986[c]	9 214r	2 483r	467[d]	..	549	..	2 599	15 313r
1987[c]	9 718r	2 690r	472[d]	..	562	..	2 698r	16 140r
1988[c]	9 740r	3 017r	489[d]	..	565	..	2 685r	16 496r
1989[c]	9 607	3 204	496[d]	..	518	..	2 695	16 520
1990[c]	9 074	3 589	495[d]	..	484	..	2 825	16 467
B. Value ($000 000)								
1960	793	106	9	5	66	8	140	1 128
1970	1 107	238	26	7	102	9	269	1 757
1975	1 847	346	47	10	180	19	412	2 861
1976	2 180	404	62	10	204	21	503	3 383
1977	2 570	559	70	12	210	23	519	3 965
1978	3 004	729	75	13	270	24	615	4 730
1979	3 336	974	89	16	316	26	734	5 491
1980	3 723	1 133	111	17	327	38	856	6 205
1981	4 386	1 205	133	19	327	36	959	7 065
1982	4 057	1 337	138	19	305	33	850	6 740
1983	4 156	1 364	119	21	306	31	966	6 962
1984	4 821	1 711	134	..	340[b]	33	1 156	8 194
1985	4 958	x	x	x	370	x	x	..
1986	5 205	2 422	x	x	426	x	1 283	..
1987e	5 764	x	x	x	x	x	x	..
1988	6 336	x	x	x	x	x	x	..

[a]Including sack kraft and other kraft paper.
[b]Tissue paper, other than sanitary, included with wrapping.
[c]Canadian Pulp and Paper Association.
[d]Including tissue other than sanitary.

Note: Data (value) not compiled by Statistics Canada for the 1987 Census of Manufactures.

Sources: Statistics Canada Cat. No. 36-204, 36-250 and Canadian Pulp and Paper Association Reference Tables 1990.

II - 19. Shipments of Newsprint from Province of Origin to Point of Destination, 1980-1990

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
			1 000 t		
A. Canada					
1980	523	161	189	108	980
1981	571	192	178	105	1 046
1982	521	141	189	83	934
1983	531	158	174	107	970
1984	608	169	143	150	1 070
1985	580	181	169	102	1 032
1986	615	208	188	110	1 121
1987	682	213	177	111	1 183
1988	708	221	194	105	1 227
1989	650	192	197	113	1 152
1990	576	175	210	115	1 075
B. United States					
1980	2 793	1 589	909	826	6 118
1981	2 991	1 570	780	717	6 058
1982	2 900	1 325	788	582	5 596
1983	3 051	1 470	932	580	6 033
1984	3 212	1 638	892	843	6 586
1985	3 182	1 564	1 005	923	6 674
1986	3 237	1 553	1 024	920	6 734
1987	3 396	1 631	1 078	982	7 087
1988	3 424	1 658	1 068	936	7 087
1989	3 222	1 659	1 028	889	6 798
1990	3 080	1 431	1 127	785	6 423
C. Other countries					
1980	585	9	225	705	1 524
1981	718	10	206	875	1 809
1982	615	16	188	706	1 525
1983	493	1	209	734	1 437
1984	420	-	224	719	1 363
1985	335	-	290	665	1 290
1986	439	6	292	709	1 446
1987	454	--	342	691	1 487
1988	467	-	359	728	1 554
1989	465	13	440	796	1 714
1990	449	22	417	689	1 576
D. Total shipments					
1980	**3 900**	**1 759**	**1 323**	**1 639**	**8 622**
1981	**4 280**	**1 772**	**1 164**	**1 697**	**8 913**
1982	**4 036**	**1 482**	**1 162**	**1 371**	**8 054**
1983	**4 075**	**1 629**	**1 315**	**1 421**	**8 440**
1984	**4 240**	**1 807**	**1 259**	**1 712**	**9 018**
1985	**4 097**	**1 745**	**1 464**	**1 690**	**8 996**
1986	**4 291**	**1 767**	**1 504**	**1 739**	**9 301**
1987	**4 532**	**1 844**	**1 596**	**1 784**	**9 757**
1988	**4 598**	**1 879**	**1 621**	**1 769**	**9 867**
1989	**4 337**	**1 864**	**1 665**	**1 798**	**9 664**
1990	**4 105**	**1 628**	**1 754**	**1 588**	**9 075**

Source: Canadian Pulp and Paper Association monthly survey, special compilation.

II - 20. Shipments of Other Paper and Paperboard from Province of Origin to Point of Destination, 1980-1990

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
			1 000 t		
A. Canada					
1980	1 401	1 326	376	220	3 323
1981	1 427	1 329	356	213	3 325
1982	1 210	1 257	302	198	2 967
1983	1 314	1 379	319	194	3 206
1984	1 408	1 468	319	202	3 397
1985	1 546	1 506	363	176	3 501
1986	1 529	1 565	422	214	3 730
1987	1 481	1 677	430	221	3 809
1988	1 546	1 644	434	219	3 844
1989	1 449	1 598	423	242	3 712
1990	1 378	1 534	402	273	3 587
B. United States					
1980	374	376	37	80	867
1981	356	390	26	23	795
1982	383	356	54	15	808
1983	475	428	110	26	1 039
1984	626	453	124	17	1 220
1985	621	485	224	32	1 362
1986	751	562	264	83	1 660
1987	747	620	321	254	1 942
1988	833	647	350	295	2 126
1989	968	774	367	411	2 520
1990	1 299	883	419	485	3 086
C. Other countries					
1980	117	58	421	71	667
1981	82	31	318	98	529
1982	54	35	348	100	537
1983	86	20	383	124	613
1984	75	22	383	119	579
1985	51	22	447	75	595
1986	68	22	441	108	639
1987	75	20	414	124	634
1988	59	23	441	129	652
1989	81	19	379	135	614
1990	130	23	426	158	736
D. Total shipments					
1980	1 892	1 760	834	371	4 857
1981	1 865	1 750	700	334	4 649
1982	1 647	1 648	704	313	4 312
1983	1 875	1 827	812	344	4 858
1984	2 109	1 943	806	338	5 196
1985	2 128	2 013	1 034	283	5 458
1986	2 348	2 149	1 127	405	6 029
1987	2 304	2 317	1 165	600	6 386
1988	2 438	2 314	1 225	644	6 621
1989	2 498	2 391	1 169	788	6 846
1990	2 806	2 441	1 247	915	7 409

Source: Canadian Pulp and Paper Association monthly survey, special compilation.

II - 21. Shipments of Selected Wood-Based Panel Products, 1970-1990

Year	Veneer[a]			Plywood[a]			Other wood-based panels		
	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total	Waferboard	Particleboard	Hardboard
A. Quantity (1 000 m^3)									
1970	470	134	604	1 664	191	1 855	..	256[b]	171
1975	506	99	605	1 979	180	2 159	..	564[b]	194
1976	651	111	762	2 134	190	2 324	285	474	191
1977	750	127	877	2 359	194	2 553	384	514	172
1978	678	164	842	2 576	217	2 793	457	617	198
1979	634	x	x	2 379	x	x	528	703	193
1980	638	x	x	2 248	x	x	577	724	226
1981	616	x	x	1 978	198	2 176	665	697	163
1982	473	x	x	1 646	163	1 809	536	574	118
1983	701	x	x	x	..	2 057	851	706	162
1984	..	..	..	..	..	1 845	1 183	823	144
1985	..	..	..	..	..	1 970	1 331	1 029	151
1986	..	..	..	..	..	1 888	1 356	1 115	136
1987	..	..	..	..	..	2 223	1 589	1 310	139
1988	..	..	..	..	..	2 182	1 647	1 154	125
1989	..	..	..	..	..	2 148	2 146	1 217	294
1990	..	..	..	..	..	1 960	1 939	1 064	288
B. Value ($000 000)									
1970	17	31	48	150	31	181	..	18[b]	..
1975	30	36	66	280	50	330	..	54[b]	..
1976	43	43	86	364	59	423	38	41	..
1977	49	48	97	406	66	472	54	52	..
1978	61	79	139	536	82	618	73	77	..
1979	64	x	x	545	x	x	89	87	..
1980	68	x	x	493	x	x	80	106	..
1981	67	x	x	492	91	583	103	117	..
1982	51	x	x	350	73	423	77	96	..
1983	67	x	x	x	98	x	129	123	..
1984	..	..	..	..	..	..	185	152	..
1985	..	..	..	..	..	..	241	193	..
1986	..	..	..	..	..	..	255	229	..
1987	..	..	..	..	..	..	278	277	..
1988	..	..	..	..	..	..	258	275	..
1989	..	..	..	..	..	..	376	270	..
1990	..	..	..	..	..	..	281	230	..

[a] Annual survey 1970-1983, monthly survey 1984-1990.
[b] Including waferboard.

Source: Statistics Canada Cat. No. 25-202, 35-001, 36-001, and 36-003.

SECTION III

COMMODITY TRADE

Attention **Attention** **Attention**

As a Contracting party to the Convention on the Harmonized Commodity and Coding System (Harmonized System or HS), Canada is obliged to conform to its statistical nomenclature. The Harmonized System went into effect in Canada on January 1, 1988. It is to be adopted by all member countries of the United Nations.

Trade Statistics

Merchandise Trade Statistics are used to measure the change in the stock of material resources of the country resulting from the movement of merchandise into or out of Canada. They are reported and presented on Customs basis. Canada's international merchandise trade statistics are derived almost exclusively from administrative records of Revenue Canada, Customs and Excise and are adjusted to conform with the National Accounts concepts and definitions. Canadian trade statistics are compiled according to the "General" system of trade as defined by the United Nations Statistical Office. This system, in principle, presents all goods entering the country (imports) and all goods leaving the country (exports).

Definitions

Domestic exports: Include goods grown, extracted, or manufactured in Canada, including goods of foreign origin which have been materially transformed in Canada.

Re-exports: Exports of goods of foreign origin which have not been materially transformed in Canada, including foreign goods withdrawn for export from bonded Customs warehouses.

Total exports: The sum of Domestic exports and Re-exports.

Imports: Include all goods which have crossed Canada's territorial boundary, whether for immediate consumption in Canada or for storage in bonded Customs warehouses.

Valuation

Imported goods: All transportation and associated costs arising in respect of the goods being appraised prior to and at the place of direct shipment to Canada are to be added to the price of the goods. Canadian imports are valued F.O.B. (free on board), place of direct shipment to Canada. The value excludes freight and insurance costs in bringing the goods to Canada from the point of direct shipment.

Exported goods: Valued or recorded at the values declared on export documents which usually reflect the transaction value, i.e. actual selling price, or in case of non-arm's-length transaction, the transfer price used for company accounting purposes. Most Canadian exports to overseas countries are valued at F.O.B. port of exit including domestic freight charges to that point but net of discounts and allowances. Canadian exports to the U.S.A. are valued F.O.B. place of lading net of freight charges, discounts and allowances.

Statistical Period

The reference period is the calendar month and the calendar year.

Country of origin/destination

Exports are attributed to the country that is the last known destination of the goods at the time of export. **Imports** are attributed to their country of origin, that is, the country in which the goods were grown, extracted, or manufactured, in accordance with the rules of origin specified by Revenue Canada, Customs and Excise. Prior to 1988, most imports were attributed to the country of export/consignment. The principal trade areas shown in this chapter are defined in section X.B "User's guide - Trade area groupings."

Province of Origin/Clearance

Prior to April 1984, **export statistics** were presented by province of lading, indicating the province in which the goods were last loaded aboard a carrier for export. Since April 1984, for most commodities, trade data are presented by province of origin which represents the province in which the goods were grown, extracted, or manufactured. **Import statistics** by province of clearance indicate the province in which the goods were cleared by Customs either for immediate consumption or for entry into a bonded Customs warehouse. This may not always coincide with the province in which the goods are consumed.

Coding System

The Harmonized System is an international commodity classification (six-digit) developed under the auspices of the Customs Cooperation Council. It was extended to ten digits for imports to serve as the basis for Customs tariffs and international trade statistics. For export purposes the international six digit "root" was extended to eight digits. Canada adopted this system to replace the "Customs Tariff Schedule", as well as the "Canadian International Trade Classification" (CITC) and the "Export Commodity Classification" (XCC).

The Harmonized System is based on a fundamental principle - that goods are classified by what they are and not according to their stage of fabrication, use, made in Canada status, or any other such criterion.

For example, Export HS number 4407.10.31 is divided, with each 'component' named as follows:

4407.10.31

44	Chapter (Wood and Articles of Wood; Wood Charcoal)
4407	Heading (Wood sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or finger-jointed, of a thickness exceeding 6 mm)
4407.10	Subheading (Softwood)
4407.10.31	Export HS Number (Spruce, pine, and fir)

On the import side, the HS number has 10 digits, where the 7th and 8th serve as the basis for Customs tariffs and the last two are for Canadian domestic purposes.

Forestry products are classified in Chapters 44, 45, 47, 48 and one item in chapter 6.

For a list of all the possible HS numbers and their accompanying description, the reader is referred to Statistics Canada Canadian Export Classification, Catalogue 12-578E.

More Information

More information concerning the "Harmonized System" is available in the manuals titled the "Customs Tariff" catalogue RV55-2/1988E (Canada Communication Group-Publishing, Ottawa, Canada K1A 0S9) and "The Canadian Export-Import Alphabetical Index" catalogue 12-579E (Statistics Canada) or by contacting the International Trade Division, Statistics Canada, Ottawa, Canada K1A 0T6.

In addition to the above-mentioned change, users should note that the country classification has been expanded to resemble the classification developed by the International Organization for Standardization (ISO) which has been adopted by most of the trading countries for Customs purposes.

Comparison of HS codes and XCC codes

The Harmonized System allows for more detailed information than the Export Commodity Classification System. Both sets of codes are compared on the following pages as well as the major discrepancies.

COMPARISON OF HS CODES AND XCC CODES

Forest products	Harmonized system commodity classification codes (HS) (since 1988)	Export commodity classification (XCC) (1980-1987)
A. Primary wood products		
Logs and bolts	4403.10.90, 4403.20.40, 4403.20.50, 4403.20.61, 4403.20.62, 4403.20.70, 4403.20.80, 4403.20.90, 4403.31.00, 4403.32.00, 4403.33.00, 4403.34.00, 4403.35.00, 4403.91.00, 4403.92.00, 4403.99.20, 4403.99.30, 4403.99.40, 4403.99.90.	231.12 - 231.79, 239.39.
Pulpwood	4403.20.31, 4403.20.39, 4403.99.11, 4403.99.19.	236.24 - 236.79, 238.61 - 238.69.
Wood chips	4401.21.00, 4401.22.00.	238.29.
Other primary products	0604.91.10, 4401.10.00, 4401.30.10, 4401.30.20, 4401.30.30, 4401.30.90, 4402.00.00, 4403.10.10, 4403.10.30 4403.20.10, 4403.20.23, 4403.20.29, 4404.10.00, 4404.20.00, 4501.10.00, 4501.90.00, 4502.00.00.	234.07 - 234.99, 238.55 - 238.99, 239.09, 239.99.
B. Wood-fabricated materials		
Lumber, softwoods	4407.10.10 - 4407.10.90.	331.30 - 331.59, 331.70, 331.76.
Lumber, hardwoods	4407.21.00 - 4407.99.90.	331.04 - 331.29, 331.65, 331.79.
Veneer, softwoods	4408.10.10, 4408.10.90.	337.33 - 337.39.
Veneer, hardwoods	4408.20.00 - 4408.90.99.	337.03 - 337.19.
Plywood, softwoods	4412.19.30, 4412.19.90, 4412.91.00, 4412.99.00.	338.72 - 338.79.
Plywood, hardwoods	4412.11.00, 4412.12.10, 4412.12.90, 4412.21.00, 4412.29.00.	338.34 - 338.59.
Shingles and shakes	4418.50.10, 4418.50.20, 4418.50.30.	333.03 - 333.09.
Waferboard	4410.10.10.	-
Particleboard	4410.10.90, 4410.90.00.	-
Fibreboard[a]	4411.11.00 - 4411.99.00.	-
Other wood products	4406.10.00, 4406.90.00, 4409.10.11 - 4409.10.99, 4409.20.11 - 4409.20.90, 4405.00.00, 4413.00.00, 4414.00.00, 4415.10.00 - 4416.00.20, 4417.00.10, 4417.00.90, 4418.10.00 - 4418.40.00, 4418.90.10 - 4418.90.90, 4420.10.00 - 4420.90.90, 4421.10.00 - 4421.90.90, 4503.10.00 - 4504.90.00, 4419.00.00.	333.20 - 333.93, 335.89, 336.09 - 336.99, 338.95 - 338.99, 339.08 - 339.99, 291.79, 740.76, 941.41, 950.55, 950.66, 961.39.

COMPARISON OF HS CODES AND XCC CODES (concluded)

Forest products	Harmonized system commodity classification codes (HS) (since 1988)	Export commodity classification (XCC) (1960-1987)
C. Wood pulp and paper products		
Wood pulp, chemical[a]	4702.00.00 - 4705.00.00, 4706.92.00, 4706.93.00.	340.19 - 340.49.
Wood pulp, mechanical[a]	4701.00.00, 4706.10.00, 4706.91.00.	340.70 - 340.99.
Newsprint	4801.00.00.	351.09.
Book and writing paper	4802.40.00, 4802.60.00, 4810.21.00 - 4810.29.00.	351.15 - 351.99.
Fine paper	4802.10.00, 4802.20.00, 4802.51.00 - 4802.53.00, 4805.40.00, 4805.60.00, 4806.30.00, 4809.20.00, 4810.11.00 - 4810.12.00, 4816.20.00.	352.33 - 352.99.
Tissue and sanitary paper	4802.30.00, 4803.00.00, 4813.10.00 - 4813.90.00.	353.25 - 353.99.
Converted paper	4808.10.00 - 4808.90.00, 4809.90.00, 4811.21.00 - 4811.29.00, 4811.39.00 - 4811.90.00, 4812.00.00, 4814.10.00 - 4814.90.00.	359.20 - 359.99.
Building paper and paperboard[a]	4805.50.00, 4807.10.00, 4811.10.10.	357.19 - 357.79, 358.05 - 358.49.
Wrapping and packaging paper	4804.21.00 - 4804.41.00, 4805.30.00, 4806.10.00 - 4806.20.00, 4806.40.00.	354.10 - 354.99.
Paperboard	4804.11.00 - 4804.19.00, 4804.42.00 - 4804.59.00, 4805.10.00 - 4805.29.00, 4805.70.00 - 4805.80.00, 4807.91.00 - 4807.99.00, 4810.31.00 - 4810.99.00, 4811.31.00.	356.10 - 356.99.
Other paper products[a]	4707.10.00 - 4707.90.00, 4809.10.00, 4815.00.00, 4816.10.00, 4816.30.00 - 4816.90.00, 4817.10.00 - 4817.30.00, 4818.10.00 - 4818.90.00, 4819.10.00 - 4819.60.00, 4820.10.00 - 4820.90.00, 4821.10.00 - 4821.90.00, 4822.10.00 - 4822.90.00, 4823.11.00 - 4823.90.00.	291.30, 291.39 - 291.40, 847.20, 849.24, 850.66, 866.32, 895.20, 895.36, 901.01 - 901.99, 904.24, 904.32, 905.99, 950.37 - 950.49, 961.49.

[a] See page 64 for discrepancies between HS and XCC.

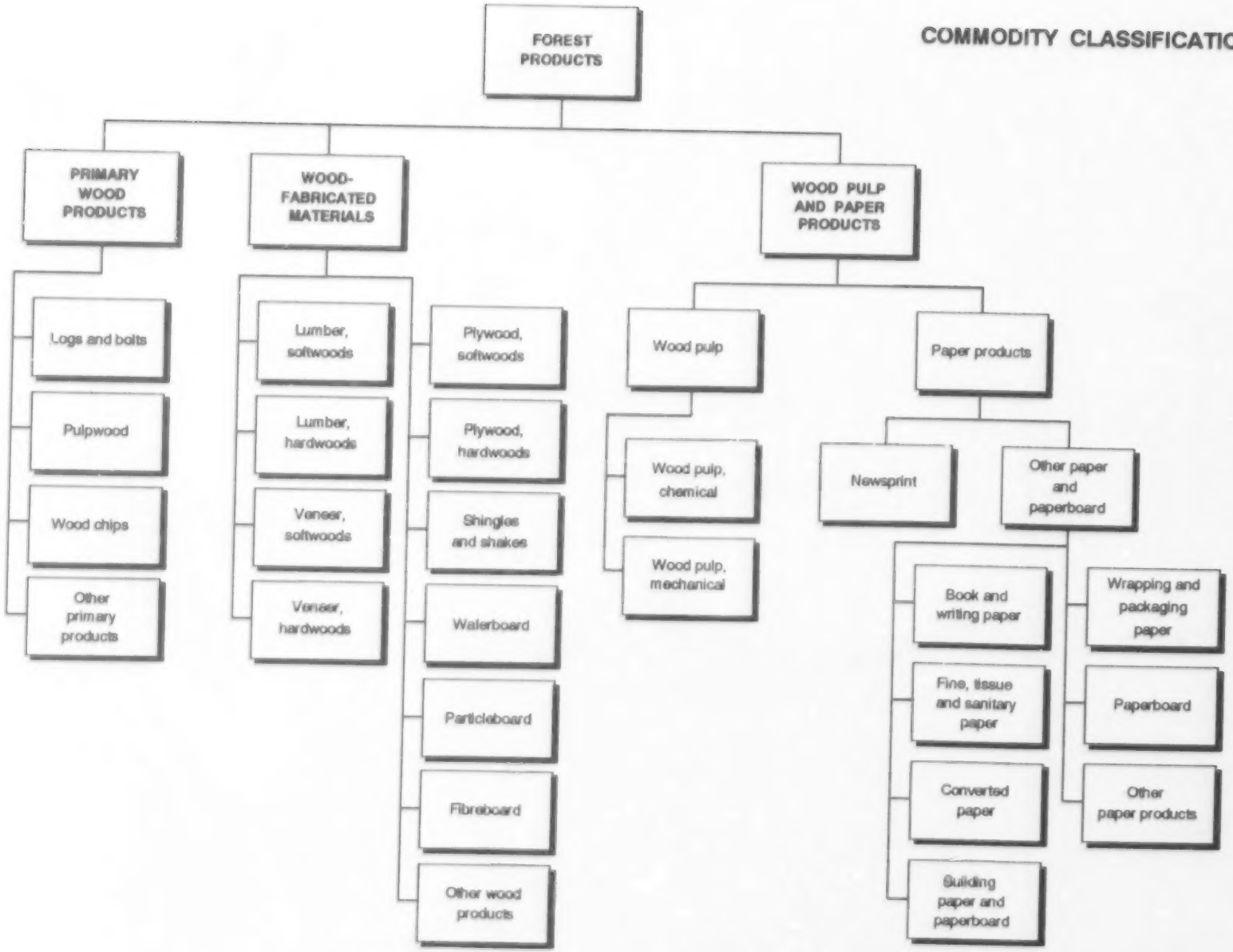

Figure 16. Commodity classification in the forest industry.

Source: Statistics Canada, International Trade Division.

DISCREPANCIES BETWEEN THE HARMONIZED SYSTEM (HS) AND THE EXPORT COMMODITY CLASSIFICATION (XCC)

The product code classification under the HS and the XCC is not strictly analogous and in some instances not comparable at all. The new HS classification offers more details and subgroups than the old XCC. During the conversion, we maintained the product groupings to minimize the discrepancies in the time series. Some arbitrary decisions were taken under the guidance of Statistics Canada in order to avoid splits and to make the HS conform to our specifications. Subgroupings not available in the XCC were introduced in the HS.

Major changes and/or additions:

Fibreboard:

HS 4411.11.00 to 4411.99.00

Definition: "Most often manufactured from wood chips which have been mechanically defibred (defibrated) or steam exploded or from other defibred ligno-cellulosic material".

Because of the previous lack of details in this category, most of the products under this new heading used to appear in "Building paper and board". They will now be part of "Other wood-fabricated materials" under the heading "Fibreboard".

Wood pulp:

Includes mechanical and chemical pulp. Semi-chemical pulp was left as a component of the chemical pulp category.

Mechanical - HS 4701.00.00 - mechanical pulp
4706.10.00 - cotton linters pulp
4706.91.00 - mechanical pulp of other fibrous cellulosic material

Chemical:

- chemical

HS 4702.00.00 - dissolving grades
4703.00.00 - sulphate other than dissolving grades
4704.00.00 - sulphite other than dissolving grades
4706.92.00 - of other fibrous cellulosic material

- semi-chemical

HS 4705.00.00 - semi-chemical
4706.93.00 - of other fibrous cellulosic material

Building paper and paperboard:

Formerly "Building paper and board". The fibreboard component along with all other building materials without a paper base were removed from the definition in order to truly reflect the paper content of Chapter 48 of the HS.

Other paper products:

Broader definition than previously. It includes all the residual components of Chapter 48. Since the HS offers many more details, the data are now more complete. This category includes all the products made out of paper and not included in other headings (handkerchiefs, cleansing or facial tissues, serviettes, clothing accessories, etc.).

III - 1. Balance of Trade by Major Commodity Group, 1989-1990

Commodity	1989 Exports[a] (+)	1989 Imports (-)	1989 Net flow	1990 Exports[a] (+)	1990 Imports (-)	1990 Net flow
			$000 000			
A. Forest products	**22 905**	**3 399**	**+19 506**	**22 308**	**3 467**	**+18 841**
Lumber - Total	5 591	483	+ 5 108	5 462	430	+ 5 032
- Softwoods	5 390	221	+ 5 170	5 255	193	+ 5 062
Plywood, veneer	296	150	+ 145	309	138	+ 171
Particleboard and wood building board	236	32	+ 204	237	32	+ 206
Wood pulp	6 941	174	+ 6 767	6 117	207	+ 5 909
Newsprint	5 866	6	+ 5 860	5 899	14	+ 5 885
Other paper and paperboard	2 366	1 266	+ 1 099	2 754	1 289	+ 1 465
Pulpwood	21	38	- 16	8	44	- 36
Wood chips	165	8	+ 157	140	11	+ 129
Other crude wood materials	270	187	+ 83	216	187	+ 29
Other wood products	1 154	1 054	+ 100	1 166	1 115	+ 51
B. Farm products	**7 654**	**6 899**	**+ 754**	**9 053**	**7 423**	**+ 1 629**
Live animals	625	139	+ 486	889	113	+ 776
Food, feed, beverages, and tobacco	7 029	6 760	+ 268	8 163	7 310	+ 853
C. Fish products	**2 444**	**738**	**+ 1 707**	**2 637**	**679**	**+ 1 958**
D. Energy	**13 207**	**5 746**	**+ 7 461**	**15 270**	**7 863**	**+ 7 407**
Coal and other crude bituminous	2 082	710	+ 1 371	2 168	647	+ 1 521
Crude petroleum	4 462	3 607	+ 855	5 532	5 405	+ 128
Petroleum and coal products	2 389	983	+ 1 406	3 345	1 052	+ 2 294
Natural gas	3 023	--	+ 3 023	3 267	1	+ 3 267
Uranium and radioactive elements and isotopes	591	111	+ 479	419	116	+ 303
Electricity and parts	662	334	+ 328	538	644	- 105
E. Metals and minerals	**22 201**	**11 764**	**+10 437**	**20 831**	**11 533**	**+ 9 297**
Metal ores, concentrates, and scrap	4 869	1 653	+ 3 216	4 814	1 469	+ 3 346
Iron and steel	2 755	2 584	+ 171	2 520	2 577	- 58
Nonferrous metals	10 060	2 980	+ 7 080	8 871	2 576	+ 6 295
Other metals and minerals	4 518	4 548	- 30	4 626	4 912	- 285
F. Other products	**69 536**	**103 761**	**-34 225**	**76 931**	**102 295**	**-25 363**
Chemicals and fertilizers - mineral	7 209	8 125	- 916	7 316	8 281	- 964
Chemicals and fertilizers - non-mineral[b]	..	..	..	..	..	..
Textiles	563	2 237	- 1 675	631	2 149	- 1 518
Machinery	4 995	12 382	- 7 387	5 234	11 773	- 6 538
Transportation and automotive products	40 537	38 802	+ 1 734	41 356	36 485	+ 4 871
Other products	16 233	42 214	-25 981	22 394	43 606	-21 212
Special trade transactions	**754**	**2 885**	**- 2 130**	**1 635**	**2 963**	**- 1 328**
G. Total	**138 701**	**135 191**	**+ 3 510**	**148 665**	**136 224**	**+12 440**

[a] Including re-exports.
[b] Included with chemicals and fertilizers - mineral.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 2. Canadian Exports[a] (Value) by Commodity Group, 1970-1990

Year	Forest products							Agriculture		Chemicals and fertilizers		Energy		Mines			
	Lumber																
	Soft-woods	Total	Wood pulp	News-print	Other paper, paper-board	Other forest products	Total	Farm products[b]	Fish products	Mineral	Other	Mineral[d]	Elec-tricity	Other metals and minerals[e]	Other products	Total	Re-exports[a]
	$000 000																
1970	638	664	785	1 110	166	230	2 955	1 616	252	335	181	1 007	34	4 055	5 966	16 401	419
1971	799	830	798	1 084	173	227	3 112	1 838	274	373	156	1 276	48	3 642	6 678	17 397	423
1972	1 128	1 174	830	1 158	222	262	3 646	2 018	337	389	156	1 701	68	3 698	7 657	19 671	479
1973	1 559	1 599	1 082	1 288	286	323	4 578	2 677	480	477	194	2 403	109	4 780	9 140	24 838	583
1974	1 254	1 290	1 889	1 726	424	297	5 626	3 459	411	678	258	4 944	175	6 073	10 050	31 675	767
1975	949	973	1 834	1 746	304	270	5 127	3 700	447	683	265	5 405	104	5 612	11 205	32 548	780
1976	1 611	1 649	2 186	2 003	375	362	6 575	3 710	585	868	332	5 279	162	6 626	13 513	37 660	825
1977	2 339	2 387	2 158	2 382	468	532	7 927	3 816	792	1 066	512	5 315	377	7 601	16 278	43 684	870
1978	3 158	3 229	2 181	2 886	616	717	9 629	4 200	1 102	1 248	652	6 196	479	8 620	20 134	52 260	923
1979	3 821	3 901	3 083	3 222	824	860	11 890	5 024	1 290	1 864	855	8 995	729	11 247	22 424	64 317	1 324
1980	3 263	3 352	3 873	3 684	1 012	898	12 819	7 012	1 251	2 384	1 046	10 997	773	15 298	22 867	74 446	1 713
1981	2 913	2 989	3 819	4 326	983	858	12 975	7 958	1 483	2 704	1 240	11 514	1 123	14 892	27 447	81 336	2 475
1982	2 847	2 913	3 221	4 086	1 028	853	12 101	8 639	1 583	2 368	1 234	12 083	1 120	12 563	30 134	81 825	2 705
1983	3 896	3 965	3 049	3 956	1 142	1 106	13 218	8 865	1 544	2 557	1 447	11 862	1 228	12 711	34 723	88 165	2 458
1984	4 182	4 257	3 906	4 784	1 417	1 370	15 734	9 257	1 576	3 019	1 766	14 245	1 378	15 727	46 736	109 437	2 947
1985	4 523	4 595	3 405	5 412	1 472	1 359	16 242	7 830	1 827	2 809	2 076	16 158	1 425	16 168	51 611	116 145	3 329
1986	4 893	4 980	4 072	5 661	1 794	1 431	17 938	7 472	2 407	2 689	2 155	11 078	1 086	17 518	54 389	116 733	3 937
1987	5 745	5 859	5 473	6 029	2 237	1 643	21 241	7 873	2 736	3 023	2 505	12 139	1 200	16 989	50 756	121 462	3 624
1988	5 234	5 415	6 496	6 201	2 431	2 038	22 581	9 012	2 713	7 771[c]	..	12 296	894	20 357	58 280	133 804	3 646
1989	5 386	5 516	6 940	5 866	2 355	2 121	22 798	7 592	2 409	7 129[c]	..	12 533	662	22 021	59 699	134 843	3 858
1990	5 250	5 371	6 115	5 898	2 736	2 048	22 168	8 962	2 609	7 236[c]	..	14 713	538	20 646	64 602	141 474	7 190

[a] Re-exports shown separately.
[b] Farm products: Food, feed, and beverages, including live animals and tobacco.
[c] Includes chemicals and fertilizers - non-mineral.
[d] Energy - mineral: coal and other crude bitumen substances, crude petroleum, natural gas, petroleum and coal products, uranium and radioactive elements and isotopes.
[e] Other metals and minerals: metal ores, concentrates and scrap, iron and steel, non-ferrous metal, metal-fabricated basic products, unmanufactured asbestos, sulphur, and other crude non-metallic minerals.

Source: Statistics Canada Cat. No. 65-202.

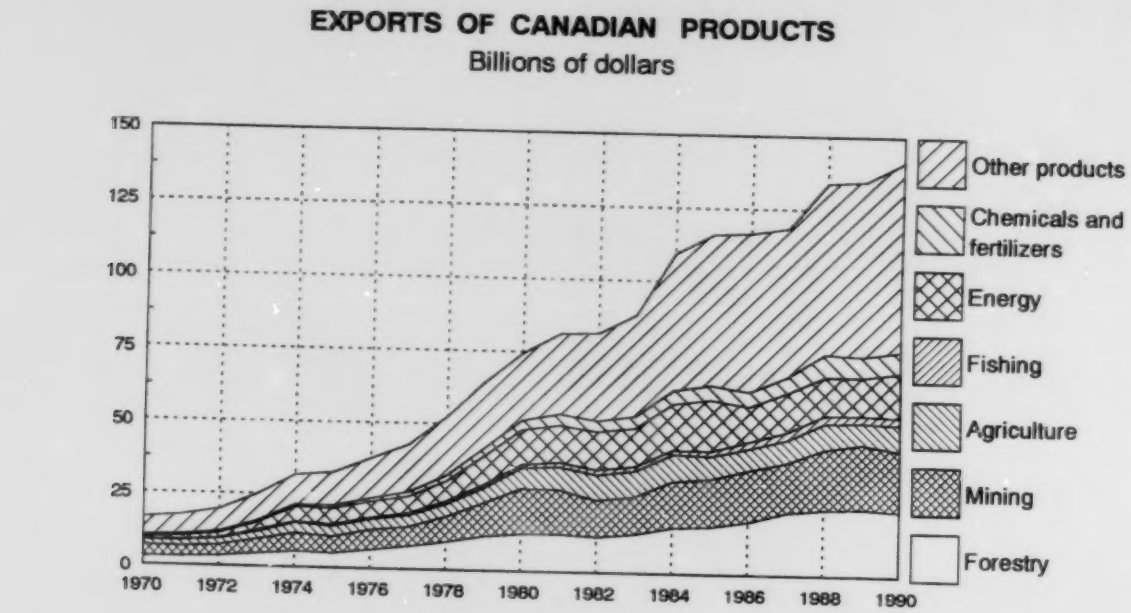

Figure 17. Exports of Canadian products by commodity group, 1970-1990.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

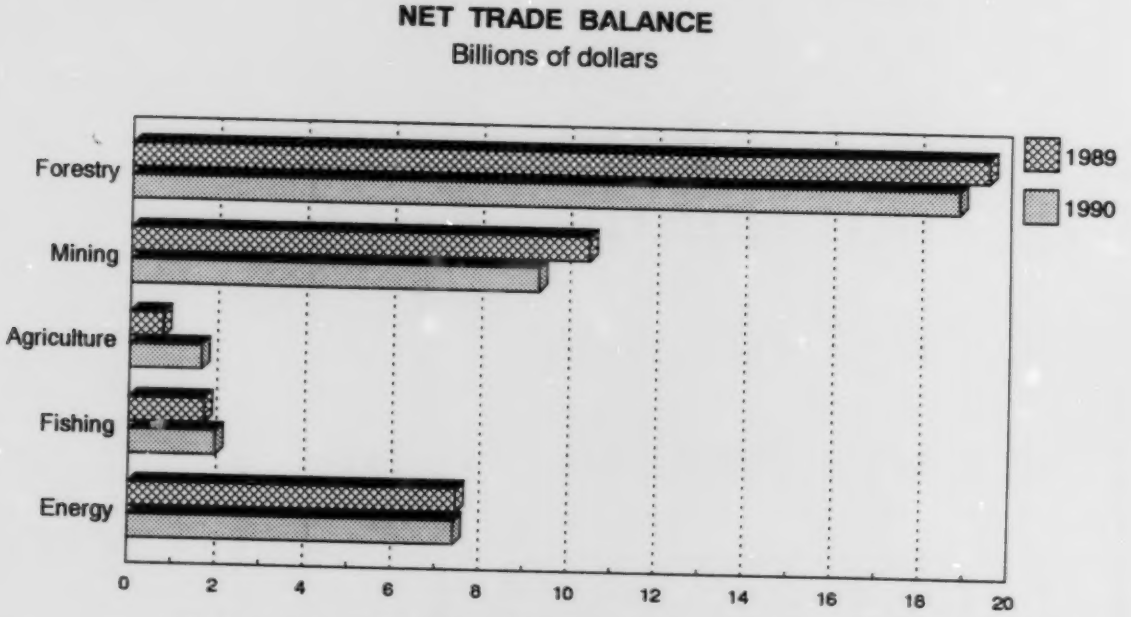

Figure 18. Contribution to net trade balance by commodity group, 1989-1990.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 3. Domestic Exports[a] of Forest Products (Value) by Province or Region of Lading, 1970-1983 and by Province or Region of Lading/Origin, 1984-1990

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon and N.W.T.	Canada
							$000 000							
A. Province or region of lading														
1970	90	1	74	183	348	781	515	13	29	50	92	1 220	--	**2 955**
1971	76	--	80	199	355	779	498	16	32	53	101	1 379	--	**3 112**
1972	86	--	88	235	409	839	548	28	40	73	141	1 708	--	**3 646**
1973	119	1	116	300	536	906	662	36	51	92	179	2 294	--	**4 578**
1974	180	1	171	450	802	1 210	857	42	58	145	245	2 511	--	**5 626**
1975	160	1	178	435	774	1 197	747	38	56	167	261	2 148	--	**5 127**
1976	166	2	168	492	828	1 336	904	44	49	188	281	3 225	1	**6 575**
1977	198	1	201	545	945	1 604	1 264	56	55	220	331	3 780	2	**7 927**
1978	177	1	222	579	979	2 086	1 566	73	78	219	370	4 628	1	**9 629**
1979	229	5	264	674	1 172	2 601	1 956	85	91	289	465	5 696	--	**11 890**
1980	256	2	318	880	1 456	2 937	2 228	90	123	316	529	5 669	--	**12 819**
1981	325	1	356	962	1 644	3 386	2 497	124	141	329	593	4 854	1	**12 975**
1982	316	1	282	725	1 324	3 333	2 365	103	98	292	493	4 586	1	**12 101**
1983	246	1	231	754	1 231	3 301	2 686	103	114	329	545	5 453	--	**13 218**
B. Province or region of lading/origin														
1984	286	3	354	1 050	1 693	3 999	3 267	146	140	415	701	6 074	1	**15 734**
1985	318	2	357	1 025	1 701	4 140	3 437	178	105	407	690	6 274	1	**16 242**
1986	311	1	438	1 178	1 928	4 655	3 519	213	161	432	806	7 030	--	**17 938**
1987	372	1	508	1 388	2 269	4 907	3 738	190	223	550	963	9 364	--	**21 241**
1988	404	--	582	1 542	2 527	5 136	4 045	172	219	622	1 014	9 859	--	**22 581**
1989	377	2	525	1 505	2 409	5 090	3 903	222	275	730	1 227	10 168	--	**22 798**
1990	428	1	599	1 439	2 466	5 154	4 143	195	269	658	1 122	9 279	--	**22 168**

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

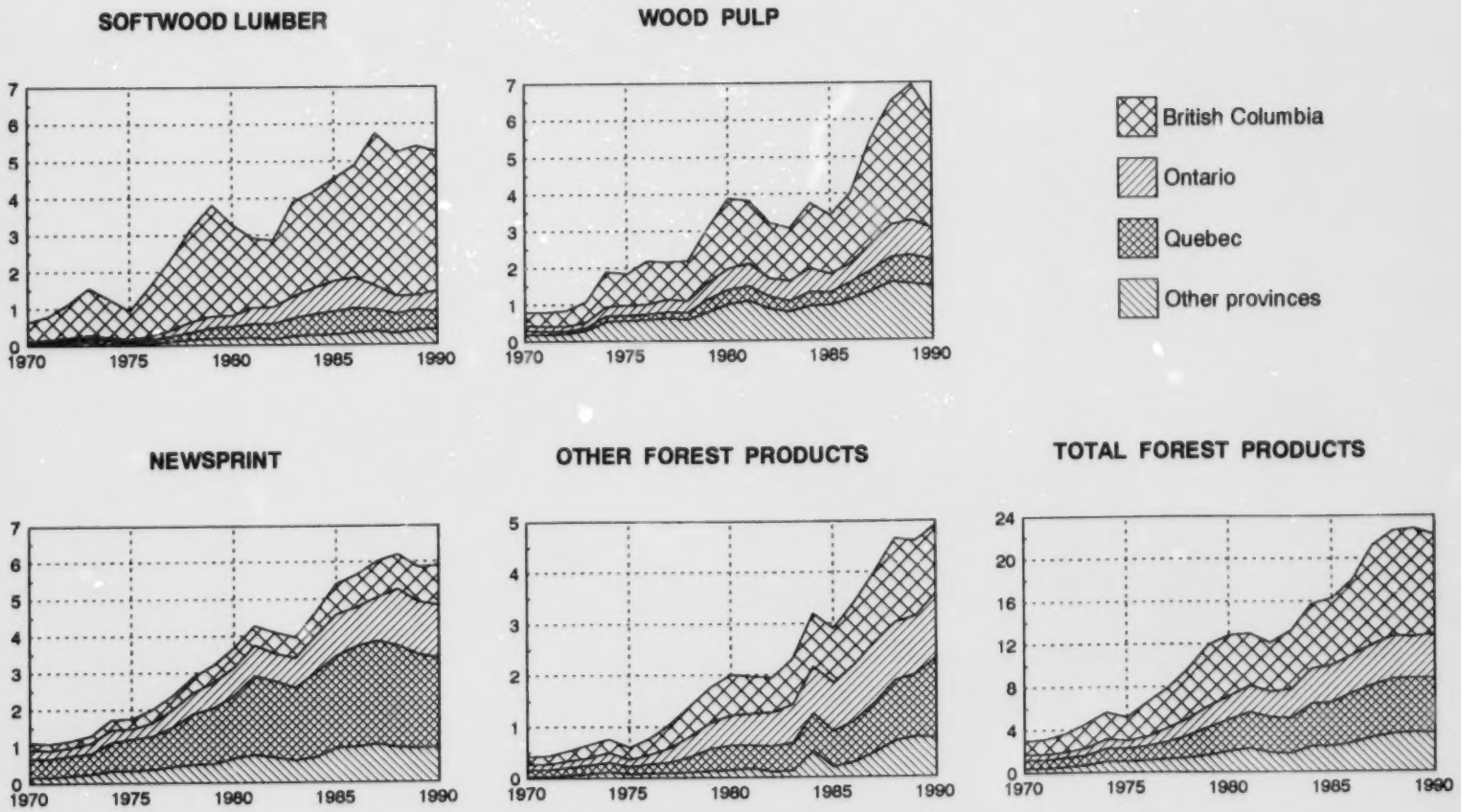

Figure 19. Exports of Canadian forest products by commodity group and region of lading/origin, 1970-1990.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 4. Exports[a] and Imports of Forest Products (Value) by Commodity Group, 1970-1990

Year	Lumber		Plywood and veneer	Particle-board and wood building board	Wood-pulp	News-print	Other paper and paperboard	Pulp-wood	Wood chips	Other crude wood materials	Other forest products	Canada		
	Softwoods	Total										Total forest products	Total products	Forest products %
A. Exports							$000 000							
1970	638	664	73	-	785	1 110	167	27	11	40	81	2 958	16 820	17.6
1975	949	975	90	-	1 834	1 746	305	11	14	36	119	5 130	33 328	15.4
1976	1 611	1 653	102	-	2 186	2 003	378	12	22	40	189	6 586	38 475	17.1
1977	2 339	2 389	149	-	2 158	2 382	471	12	35	59	280	7 936	44 554	17.8
1978	3 158	3 230	212	-	2 181	2 886	618	14	49	53	391	9 634	53 183	18.1
1979	3 821	3 903	248	-	3 083	3 222	827	15	54	77	469	11 898	65 641	18.1
1980	3 265	3 368	237	-	3 873	3 684	1 015	26	91	89	459	12 842	76 159	16.9
1981	2 916	3 029	222	-	3 819	4 326	966	25	98	77	490	13 053	83 811	15.6
1982	2 848	2 954	215	-	3 221	4 086	1 016	8	98	120	470	12 188	84 530	14.4
1983	3 896	3 997	258	92	3 049	3 956	1 148	12	89	174	486	13 261	90 613	14.6
1984	4 182	4 299	273	157	3 906	4 784	1 427	11	85	263	588	15 793	112 384	14.1
1985	4 524	4 630	249	201	3 411	5 411	1 486	8	83	203	623	16 305	119 474	13.6
1986	4 893	5 033	239	184	4 072	5 661	1 811	12	78	230	697	18 018	120 670	14.9
1987	5 748	5 938	270	169	5 474	6 029	2 258	22	74	372	751	21 355	125 087	17.1
1988	5 237	5 462	296	200	6 496	6 201	2 443	30	95	378	1 058	22 659	137 550	16.5
1989	5 390	5 591	296	236	6 941	5 866	2 366	21	165	270	1 154	22 905	138 701	16.5
1990	5 255	5 462	309	237	6 117	5 899	2 754	8	140	216	1 166	22 308	148 665	15.0
B. Imports														
1970	22	38	28	6	10	-	107	3	-	27	45	264	13 952	1.9
1975	71	110	124	30	30	-	346	9	-	56	160	864	34 716	2.5
1976	95	164	97	29	33	-	432	8	-	55	174	992	37 494	2.6
1977	96	171	72	25	35	-	402	11	5	51	199	972	42 363	2.3
1978	94	203	76	25	50	-	469	14	6	69	236	1 147	50 108	2.3
1979	127	271	89	26	79	-	546	21	6	94	296	1 428	62 871	2.3
1980	108	235	64	23	79	-	576	15	2	82	262	1 338	69 274	1.9
1981	130	276	113	29	83	-	722	17	3	75	310	1 628	79 482	2.0
1982	72	177	46	15	88	-	684	15	4	75	198	1 302	67 856	1.9
1983	123	281	88	21	86	-	876	13	7	102	166	1 640	75 520	2.2
1984	108	281	78	24	129	-	1 107	13	9	141	183	1 965	95 460	2.1
1985	112	281	79	28	132	-	1 142	17	9	156	190	2 034	104 355	1.9
1986	143	360	112	33	138	-	1 311	28	24	174	219	2 399	112 511	2.1
1987	139	424	137	35	143	-	1 465	22	6	176	276	2 684	116 239	2.3
1988	194	499	151	33	165	4	1 207	32	8	191	935	3 225	131 172	2.5
1989	221	483	150	32	174	6	1 266	38	8	187	1 054	3 399	135 191	2.5
1990	193	430	138	32	207	14	1 289	44	11	187	1 115	3 467	136 224	2.5

[a]Including re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 5. Balance of Trade of Forest Products (Value) by Commodity Group, 1970-1990

Year	Lumber		Plywood and veneer	Particle-board and wood building board	Wood-pulp	Newsprint	Other paper and paperboard	Pulp-wood	Wood chips	Other crude wood materials	Other forest products	Canada	
	Softwoods	Total										Total forest products	Total products
							$000 000						
1970	+ 616[a]	+ 626	+ 45	- 6	+ 775	+1 110	+ 60	+24	+ 11	+ 13	+ 36	+ 2 694	+ 2 868
1971	+ 772	+ 785	+ 34	- 11	+ 783	+1 084	+ 54	+16	+ 17	- 2	+ 42	+ 2 803	+ 2 202
1972	+1 090	+1 107	+ 37	- 15	+ 813	+1 158	+ 77	+ 9	+ 13	- 27	+ 52	+ 3 224	+ 1 481
1973	+1 499	+1 501	+ 50	- 23	+1 065	+1 288	+ 99	+ 8	+ 16	- 31	+ 45	+ 4 018	+ 2 096
1974	+1 184	+1 175	- 7	- 33	+1 870	+1 726	+ 143	+ 5	+ 14	- 28	- 23	+ 4 841	+ 720
1975	+ 879	+ 865	- 34	- 30	+1 804	+1 746	- 41	+ 2	+ 14	- 20	- 41	+ 4 266	- 1 388
1976	+1 516	+1 489	+ 5	- 29	+2 153	+2 003	- 54	+ 4	+ 22	- 15	+ 15	+ 5 593	+ 981
1977	+2 243	+2 218	+ 77	- 25	+2 123	+2 382	+ 69	+ 1	+ 30	+ 8	+ 81	+ 6 963	+ 2 191
1978	+3 064	+3 027	+136	- 25	+2 131	+2 886	+ 149	-	+ 43	- 16	+155	+ 8 487	+ 3 075
1979	+3 694	+3 632	+159	- 26	+3 004	+3 222	+ 281	- 6	+ 48	- 17	+173	+10 470	+ 2 770
1980	+3 157	+3 133	+173	- 23	+3 794	+3 684	+ 439	+11	+ 89	+ 7	+197	+11 504	+ 6 885
1981	+2 786	+2 753	+109	- 29	+3 736	+4 326	+ 244	+ 8	+ 95	+ 2	+180	+11 425	+ 4 329
1982	+2 776	+2 777	+169	- 15	+3 133	+4 086	+ 332	- 7	+ 94	+ 45	+272	+10 886	+16 674
1983	+3 773	+3 716	+170	+ 71	+2 963	+3 956	+ 272	- 1	+ 82	+ 72	+320	+11 621	+15 005
1984	+4 074	+4 018	+195	+133	+3 777	+4 784	+ 320	- 2	+ 76	+122	+405	+13 828	+16 924
1985	+4 412	+4 349	+170	+173	+3 279	+5 411	+ 344	- 9	+ 74	+ 47	+433	+14 271	+15 120
1986	+4 750	+4 673	+127	+151	+3 934	+5 661	+ 500	-16	+ 54	+ 56	+478	+15 619	+ 8 159
1987	+5 609	+5 514	+133	+134	+5 331	+6 029	+ 793	-	+ 68	+196	+475	+18 671	+ 8 848
1988	+5 043	+4 963	+145	+167	+6 331	+6 198	+1 235	- 2	+ 86	+187	+124	+19 434	+ 6 379
1989	+5 170	+5 108	+145	+204	+6 766	+5 860	+1 099	-16	+157	+ 83	+100	+19 506	+ 3 510
1990	+5 062	+5 032	+171	+206	+5 909	+5 885	+1 465	-36	+129	+ 29	+ 51	+18 841	+12 440

[a]The + sign means surplus and the - sign means deficit.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 6. Domestic Exports[a] and Imports of Forest Products (Quantity) by Commodity Group, 1950-1990

Year	Logs and bolts	Pulpwood	Wood chips	Lumber		Shingles and shakes	Wood pulp	Newsprint	Other paper and paperboard
				Softwoods	Total				
	1 000 m^3	1 000 m^3	1 000 t	1 000 m^3	1 000 m^3	1 000 m^2	1 000 t	1 000 t	1 000 t
A. Exports									
1950	..	..	194	7 971	8 399	27 164	1 675	4 480	106
1960	..	..	718	10 494	10 768	18 120	2 360	5 616	211
1970	1 295	2 636	881	17 299	17 621	20 462	5 063	7 339	626
1975	416	947	471	15 309	15 466	18 798	4 997	6 354	664
1976	569	905	704	22 621	22 832	24 841	6 116	7 000	788
1977	928	764	916	28 817	29 059	28 206	6 096	7 267	1 369
1978	670	891	1 111	31 419	31 715	33 369	6 641	7 868	1 610
1979	856	797	1 165	31 285	31 548	33 221	7 102	7 778	1 733
1980	1 164	1 066	1 343	29 016	29 290	32 638	7 253	7 718	1 931
1981	963	903	1 307	27 263	27 506	30 786	6 999	7 986	1 646
1982	1 260	287	1 131	27 566	27 807	30 303	6 115	7 081	1 644
1983	2 274	434	1 387	33 887	34 113	38 137	6 806	7 379	1 942
1984	3 408	408	1 305	37 066	37 335	42 427	7 030	8 127	2 040
1985	2 515	378	1 117	38 619	38 861	43 763	7 060	8 285	1 992
1986	2 741	611	1 012	38 001	38 274	42 871	7 619	8 562	2 321
1987	3 523	874	904	41 296	41 676	36 330	8 242	8 772	2 723
1988	3 014	985	1 662	40 521	41 113	31 008	8 465	8 566	2 965
1989	1 813	813	1 891	40 069	40 482	32 968	8 242	8 482	2 822
1990	853	172	1 569	37 088	37 475	33 462	7 901	8 743	3 277
B. Imports									
1950	..	..	-	98	187	10	33	-	23
1960	..	..	-	326	544	101	58	-	139
1970	1 608	304	-	399	597	1 642	47	-	199
1975	1 658	555	-	856	1 187	-	82	-	516
1976	1 947	494	-	935	1 512	-	84	-	645
1977	1 764	585	-	764	1 228	-	87	-	449
1978	2 013	672	145	625	1 145	-	129	-	429
1979	2 364	897	160	785	1 409	-	173	-	417
1980	2 039	559	96	671	1 197	-	145	-	380
1981	1 631	591	86	807	1 361	-	141	-	501
1982	1 577	500	51	506	895	-	150	-	393
1983	2 359	457	97	773	1 341	-	157	-	528
1984	2 807	440	118	626	1 203	-	200	-	641
1985	2 947	588	157	663	1 197	-	224	-	659
1986	3 116	771	429	794	1 419	-	225	-	782
1987	3 093	746	108	740	1 559	-	205	-	851
1988	3 253	1 067	195	857	1 450	-	185	5	947
1989	3 258	1 245	146	1 036	1 655	-	184	9	954
1990	2 712	1 503	188	998	1 536	-	253	20	992

[a]Excluding re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 7. Apparent Domestic Consumption[a] of Forest Products (Quantity) by Commodity Group, 1950-1990

Year	Logs and bolts	Pulpwood	Lumber		Wood pulp	Newsprint[b]	Other paper and paperboard
			Softwoods	Total			
	1 000 m^3	1 000 m^3	1 000 m^3	1 000 m^3	1 000 t	1 000 t	1 000 t
1950	..	..	6 537	7 253	6 045	329	1 272
1960	..	..	7 694	8 683	8 096	384	1 955
1970	76 024	38 003	8 549	9 564	11 593	663	2 829
1971	78 984	35 326	9 648	10 622	11 466	738	2 963
1972	83 547	37 475	9 508	10 793	11 934	635	3 237
1973	98 917	41 450	12 697	14 185	12 591	726	3 660
1974	86 425	47 483	12 150	13 686	13 709	760	4 027
1975	75 074	36 671	11 859	13 026	10 240r	739	2 908
1976	98 513	36 421	13 952	15 502	11 957r	987	3 585
1977	104 543	36 553	12 541	13 801	12 208r	809	3 150
1978	112 879	37 820	12 782	14 317	13 705r	853	3 456
1979	115 941	40 342	15 064	16 561	13 867r	948	3 683
1980	110 832	38 276	15 179	16 903	12 946r	983	3 212
1981	96 986	40 892	12 781	14 072	12 533r	1 075	3 512
1982	89 186	31 297	9 304	10 540	11 272r	989	3 047r
1983	111 354	38 113	14 510	15 895	12 807r	1 009	3 522r
1984	116 653	42 083	11 268	12 857	13 587r	1 054	3 912r
1985	119 768	40 811	13 143r	14 445r	13 645r	1 007	4 202r
1986	125 759	42 815	14 653r	16 204r	14 404r	1 084	4 519r
1987	140 479	41 626	19 733	21 658	15 086r	1 070	4 538r
1988	139 072	43 012	19 712r	21 067r	15 538r	1 303	4 793r
1989	139 667	45 230	19 870r	20 418r	15 650r	1 183	5 075r
1990	..	..	17 606	18 970	15 188	1 089	5 112

[a]Apparent domestic consumption = Production + Imports - Exports.
[b]Export data used in the calculation of newsprint consumption are from the Canadian Pulp and Paper Association.

Sources: Statistics Canada Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203 and Canadian Pulp and Paper Association Reference Tables 1990.

III - 8A. Domestic Exports[a] of Forest Products (Value) by Commodity Group and Province or Region of Lading/Origin, 1989

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
							$000							
A. Primary wood products	**3 051**	**310**	**16 894**	**16 978**	**37 232**	**28 031**	**17 874**	**918**	**1 284**	**4 521**	**6 723**	**360 799**	-	**450 659**
Logs, bolts - Total	425	-	133	1 841	2 399	5 606	5 118	450	63	137	651	175 164	-	**188 938**
- Softwood logs	84	-	19	943	1 047	539	179	40	21	90	151	170 034	-	**171 950**
Pulpwood - Total	2 614	273	3 794	5 763	12 444	635	25	-	-	9	9	8 348	-	**21 461**
- Softwoods	2 614	273	3 794	3 771	10 452	617	-	-	-	-	-	8 049	-	**19 119**
Wood chips	-	-	-	5 572	5 572	239	150	-	-	2	2	158 748	-	**164 711**
Other primary products	11	37	12 967	3 802	16 817	21 551	12 581	467	1 220	4 373	6 061	18 539	-	**75 548**
B. Wood-fabricated materials	**98**	**831**	**32 727**	**175 819**	**209 475**	**863 548**	**670 968**	**75 371**	**28 583**	**281 698**	**385 652**	**4 667 802**	**8**	**6 797 453**
Lumber - Softwoods	27	760	21 778	126 145	148 709	552 811	393 897	65 902	12 173	164 510	242 585	4 048 324	5	**5 386 331**
- Hardwoods	-	-	551	2 538	3 088	67 201	52 025	4 466	24	676	5 165	2 245	-	**129 725**
Shingles and shakes	-	-	41	6 620	6 661	13 731	791	-	20	58	78	193 531	-	**214 791**
Veneer - Softwoods	-	-	-	31	31	1 311	2 001	-	-	24	24	24 197	-	**27 565**
- Hardwoods	-	-	82	1 066	1 148	57 656	56 671	-	3	7	9	983	-	**116 467**
Plywood - Softwoods	-	-	211	90	301	287	1 649	3	-	296	299	102 014	-	**104 550**
- Hardwoods	-	-	51	69	120	17 516	21 584	-	-	70	70	4 400	-	**43 690**
Waferboard	-	-	14	9 104	9 118	20 367	18 645	115	15 117	89 377	104 608	46 046	-	**198 784**
Particleboard	-	-	217	9 689	9 906	17 312	5 583	-	61	1 275	1 336	3 013	-	**37 150**
Fibreboard	-	-	7 759	5	7 764	11 235	5 198	275	-	17 507	17 782	11 519	-	**53 498**
Other wood products	-	29	359	2 920	3 308	8 849	19 219	567	71	3 578	4 215	179 494	-	**215 086**
Other n.e.c.	72	42	1 664	17 542	19 320	95 271	93 704	4 044	1 114	4 322	9 480	52 038	3	**269 816**
C. Wood pulp and paper products	**373 754**	**747**	**475 456**	**1 312 409**	**2 162 367**	**4 196 299**	**3 214 208**	**145 597**	**245 202**	**444 219**	**835 018**	**5 139 512**	**1**	**15 549 406**
Wood pulp - Total	**19**	-	**233 393**	**715 105**	**948 517**	**776 853**	**953 591**	**5 227**	**144 024**	**434 008**	**583 259**	**3 678 118**	-	**6 940 337**
- Chemical	19	-	231 699	655 951	887 669	774 323	953 306	5 222	144 024	433 577	582 824	3 599 588	-	**6 797 710**
Paper products	**373 735**	**747**	**242 063**	**597 304**	**1 213 850**	**3 421 447**	**2 260 617**	**140 369**	**101 178**	**10 212**	**251 759**	**1 461 395**	**1**	**8 609 068**
Newsprint	252 643	55	230 471	384 385	867 554	2 536 889	1 429 301	63 433	-	-	63 433	968 381	-	**5 865 557**
Other paper and paperboard	120 889	690	6 469	204 176	332 224	768 651	642 416	72 739	94 766	7 554	175 059	436 609	-	**2 354 959**
Book and writing paper	120 878	688	1 317	129 572	252 455	400 314	267 873	-	90	32	123	165 296	-	**1 086 060**
Fine paper	-	-	38	740	778	155 713	157 090	-	94 586	17	94 603	39 559	-	**447 743**
Tissue and sanitary	-	-	5	5 738	5 743	24 853	17 823	-	-	-	-	31 424	-	**79 842**
Wrapping and packaging	-	-	150	806	956	27 749	15 251	72 279	-	277	72 555	107 146	-	**223 657**
Paperboard	10	-	1 121	66 838	67 969	102 335	41 186	161	88	322	571	87 338	-	**299 399**
Building paper and paperboard	-	-	4	95	99	12 114	4 962	272	-	3 080	3 352	2 979	-	**23 506**
Converted paper	2	1	3 835	386	4 224	45 573	138 233	26	2	3 826	3 855	2 867	-	**194 751**
Other paper products	202	3	5 123	8 743	14 072	115 907	188 900	4 198	6 412	2 658	13 268	56 404	1	**388 551**
Total forest products	**376 903**	**1 888**	**525 076**	**1 505 206**	**2 409 073**	**5 089 878**	**3 903 050**	**221 886**	**275 069**	**730 439**	**1 227 393**	**10 168 113**	**9**	**22 797 517**

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 8B. Domestic Exports[a] of Forest Products (Value) by Commodity Group and Province or Region of Lading/Origin, 1990

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
							$000							
A. Primary wood products	**3 150**	**440**	**14 037**	**7 281**	**24 909**	**31 053**	**22 522**	**461**	**7 810**	**10 138**	**18 410**	**260 257**	**195**	**357 352**
Logs, bolts - Total	-	321	162	1 541	2 025	3 893	3 816	370	70	557	997	96 942	195	107 875
- Softwood logs	-	321	2	1 071	1 394	87	317	38	13	294	344	93 456	195	95 801
Pulpwood - Total	2 486	-	3 409	1 176	7 071	15	116	-	-	-	-	376	-	7 577
- Softwoods	2 486	-	3 177	497	6 159	-	87	-	-	-	-	349	-	6 596
Wood chips	-	-	-	5	5	1 971	1 896	-	-	59	59	136 274	-	140 205
Other primary products	664	119	10 466	4 559	15 809	25 173	16 694	91	7 740	9 522	17 354	26 665	-	101 695
B. Wood-fabricated materials	**1 595**	**765**	**47 155**	**175 013**	**224 529**	**789 585**	**846 451**	**70 782**	**22 303**	**259 287**	**352 372**	**4 399 054**	**56**	**6 615 060**
Lumber - Softwoods	171	717	35 055	133 704	169 647	468 443	576 219	55 611	14 991	170 412	241 014	3 791 553	17	5 249 907
- Hardwoods	3	-	278	2 514	2 794	61 398	50 959	2 593	6	450	3 049	3 187	-	121 386
Shingles and shakes	-	-	25	5 079	5 104	11 835	250	-	11	71	82	208 888	-	226 160
Veneer - Softwoods	-	-	5	28	32	548	208	324	-	-	324	25 238	-	26 351
- Hardwoods	-	32	1	976	1 010	67 631	63 028	45	-	90	136	549	-	132 354
Plywood - Softwoods	6	-	266	6	279	741	730	-	-	1 300	1 300	93 837	-	96 886
- Hardwoods	-	12	25	144	182	14 190	23 609	-	31	2	34	4 736	-	42 750
Waferboard	-	-	14	7 853	7 867	33 447	35 975	152	5 457	45 846	51 454	38 300	-	167 043
Particleboard	-	-	13	8 116	8 128	23 235	7 844	5 586	1 339	19 192	26 117	4 714	-	70 038
Fibreboard	5	-	10 501	18	10 525	21 158	3 313	591	22	16 213	16 827	5 351	-	57 174
Other wood products	1 406	-	486	1 783	3 675	14 540	18 875	2 172	66	2 200	4 438	172 713	-	214 241
Other n.e.c.	3	4	487	14 792	15 286	72 419	65 441	3 707	380	3 510	7 597	49 990	38	210 770
C. Wood pulp and paper products	**422 953**	**197**	**537 308**	**1 256 502**	**2 216 961**	**4 333 113**	**3 274 080**	**123 831**	**238 675**	**388 453**	**750 959**	**4 620 037**	**3**	**15 195 153**
Wood pulp - Total	**-**	**122**	**294 688**	**654 506**	**949 316**	**706 080**	**865 866**	**-**	**136 378**	**376 526**	**512 905**	**3 060 919**	**-**	**6 115 086**
- Chemical	-	122	294 688	605 769	900 579	686 105	865 866	-	136 378	368 026	504 404	3 017 814	-	5 974 768
Paper products	**422 953**	**75**	**242 620**	**601 996**	**1 267 644**	**3 627 033**	**2 408 214**	**123 831**	**102 297**	**11 927**	**238 055**	**1 539 118**	**3**	**9 080 067**
Newsprint	366 546	65	232 000	314 480	913 091	2 423 055	1 440 528	37 027	-	2 078	39 105	1 082 078	-	5 897 857
Other paper and paperboard	56 271	-	7 542	285 147	348 960	1 054 623	744 372	78 872	85 615	7 430	171 917	416 497	-	2 736 369
Book and writing paper	56 176	-	393	212 234	268 802	473 259	245 606	10 091	31	8	10 130	108 328	-	1 106 126
Fine paper	86	-	-	11 830	11 916	264 511	212 787	223	85 569	259	86 052	45 357	-	620 623
Tissue and sanitary	-	-	39	24 402	24 441	35 386	22 047	35	-	60	96	28 434	-	110 404
Wrapping and packaging	-	-	-	168	168	28 181	17 131	64 934	14	125	65 073	103 574	-	214 126
Paperboard	3	-	400	36 462	36 869	182 680	66 159	929	-	1 343	2 272	120 264	-	408 244
Building paper and paperboard	-	-	1	26	27	20 829	5 224	2 630	-	3 458	6 088	7 262	-	39 430
Converted paper	2	-	6 709	26	6 737	49 777	175 418	29	-	2 177	2 207	3 277	-	237 416
Other paper products	136	10	3 078	2 369	5 593	149 355	223 314	7 932	16 682	2 419	27 033	40 543	3	445 841
Total forest products	**427 698**	**1 403**	**598 500**	**1 438 797**	**2 466 398**	**5 153 751**	**4 143 063**	**195 075**	**268 788**	**657 879**	**1 121 741**	**9 279 349**	**253**	**22 167 566**

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 9A. Domestic Exports[a] of Forest Products (Quantity) by Commodity Group and Province or Region of Lading/Origin, 1989

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
A. Primary wood products														
Logs, bolts - Total (1 000 m^3)	7	-	1	36	45	27	21	2	1	1	4	1 718	-	1 813
- Softwood logs	2	-	--	16	18	6	1	1	1	1	2	1 651	-	1 679
Pulpwood - Total (1 000 m^3)	62	6	89	388	545	17	--	-	-	--	--	251	-	813
- Softwoods	62	6	89	255	411	17	-	-	-	-	-	246	-	674
Wood chips (1 000 t)	-	-	-	234	234	5	2	-	-	--	--	1 650	-	1 891
B. Wood-fabricated materials														
Lumber - Softwoods (1 000 m^3)	--	10	127	959	1 096	4 666	3 486	579	116	1 761	2 456	28 365	--	40 069
- Hardwoods	-	-	1	20	21	222	138	23	--	3	26	6	-	413
Shingles and shakes (1 000 m^2)	-	-	7	1 562	1 570	3 191	106	-	2	7	9	28 092	-	32 968
Veneer - Softwoods (1 000 m^2)	-	-	-	39	39	892	1 230	-	-	12	12	47 002	-	49 174
- Hardwoods	-	-	33	934	966	49 946	54 433	-	--	3	3	1 211	-	106 559
Plywood - Softwoods (1 000 m^3)	-	-	1	--	1	1	5	--	-	1	1	317	-	325
- Hardwoods	-	-	--	--	1	22	42	-	-	1	1	9	-	76
Waferboard (1 000 m^3)	-	-	--	56	56	122	112	--	102	492	594	250	-	1 135
Particleboard (1 000 m^3)	-	-	1	48	49	80	22	-	--	7	7	13	-	171
Fibreboard (1 000 kg)	-	-	15 426	--	15 426	28 302	12 417	1 096	-	47 941	49 037	23 949	-	129 131
Other wood products (1 000 m^3)	-	7	37	245	288	304	2 990	32	7	52	91	7 444	-	11 117
C. Wood pulp and paper products (1 000 t)	529	1	602	1 846	2 979	5 338	3 736	197	289	524	1 010	6 484	-	19 547
Wood pulp - Total	--	-	275	971	1 246	908	1 075	6	183	509	698	4 316	-	8 242
- Chemical	--	-	272	834	1 105	901	1 074	6	183	508	697	4 153	-	7 930
Paper products	529	1	327	875	1 733	4 431	2 661	192	106	14	312	2 168	-	11 304
Newsprint	373	--	323	579	1 275	3 501	2 069	93	-	-	93	1 544	-	8 482
Other paper and paperboard	156	1	5	296	458	929	592	99	106	14	219	623	-	2 822
Book and writing paper	156	1	1	142	300	491	312	-	--	--	--	190	-	1 293
Fine paper	-	-	--	1	1	164	135	-	106	--	106	41	-	447
Tissue and sanitary	-	-	--	4	4	23	12	-	-	-	-	26	-	65
Wrapping and packaging	-	-	--	1	1	26	11	98	-	--	98	171	-	308
Paperboard	--	-	2	147	149	184	64	--	--	--	1	189	-	586
Building paper and paperboard	-	-	1	--	1	31	14	--	-	11	11	6	-	64
Converted paper	--	--	1	1	1	10	45	--	--	2	2	1	-	59

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 9B. Domestic Exports* of Forest Products (Quantity) by Commodity Group and Province or Region of Lading/Origin, 1990

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
A. Primary wood products														
Logs, bolts - Total (1 000 m^3)	-	1	1	17	19	13	18	6	--	3	9	787	6	853
- Softwood logs	-	1	--	13	15	1	2	--	--	3	3	756	6	782
Pulpwood - Total (1 000 m^3)	61	-	81	37	179	--	3	-	-	-	-	10	-	192
- Softwoods	61	-	77	16	153	-	2	-	-	-	-	10	-	165
Wood chips (1 000 t)	-	-	-	--	--	39	19	-	-	--	--	1 510	-	1 569
B. Wood-fabricated materials														
Lumber - Softwoods (1 000 m^3)	2	9	212	1 047	1 270	3 828	4 846	516	146	1 587	2 249	24 870	--	37 088
- Hardwoods	--	-	1	14	15	204	140	11	--	1	12	15	-	387
Shingles and shakes (1 000 m^2)	-	-	4	1 175	1 178	2 615	57	-	2	9	10	29 601	-	33 462
Veneer - Softwoods (1 000 m^2)	-	-	10	9	19	364	145	154	-	-	154	46 231	-	46 914
- Hardwoods	-	27	1	726	754	48 845	50 262	12	-	42	55	660	-	100 576
Plywood - Softwoods (1 000 m^3)	--	-	1	--	1	3	2	-	-	4	4	296	-	306
- Hardwoods	-	--	--	--	--	23	56	-	--	--	--	10	-	90
Waferboard (1 000 m^3)	-	-	--	49	49	258	303	1	32	280	314	263	-	1 187
Particleboard (1 000 m^3)	-	-	--	26	26	120	42	14	8	116	137	43	-	368
Fibreboard (1 000 kg)	--	-	40	--	40	131	11	10	--	87	97	15	-	294
Other wood products (1 000 m^3)	220	-	60	178	458	813	3 290	315	14	335	664	9 845	-	15 070
C. Wood pulp and paper products (1 000 t)	**619**	--	**696**	**1 785**	**3 099**	**5 586**	**3 921**	**174**	**271**	**546**	**991**	**6 324**	-	**19 921**
Wood pulp - Total	-	--	**358**	**916**	**1 274**	**904**	1 102	-	172	**527**	**700**	**3 920**	-	**7 901**
- Chemical	-	--	358	826	1 184	869	1 102	-	172	505	677	3 767	-	7 600
Paper products	**619**	--	**338**	**869**	**1 825**	**4 681**	**2 819**	**174**	**98**	**18**	**291**	**2 404**	-	**12 020**
Newsprint	541	--	336	498	1 374	3 402	2 134	58	-	3	61	1 772	-	8 743
Other paper and paperboard	78	-	2	371	451	1 280	684	117	98	15	230	632	-	3 277
Book and writing paper	78	-	--	230	308	558	289	14	--	--	14	128	-	1 297
Fine paper	--	-	-	30	30	293	186	--	98	--	98	50	-	657
Tissue and sanitary	-	-	--	18	18	31	16	--	-	--	--	22	-	88
Wrapping and packaging	-	-	-	--	--	29	11	94	--	--	94	157	-	291
Paperboard	--	-	1	92	93	302	113	2	-	1	3	256	-	767
Building paper and paperboard	-	-	--	--	--	55	20	7	-	11	19	18	-	111
Converted paper	--	-	1	--	1	12	50	--	-	2	2	2	-	67

*Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 10A. Imports of Forest Products (Value) by Commodity Group and Province or Region of Clearance, 1989

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
							$000							
A. Primary wood products	**2 893**	**7**	**650**	**18 651**	**22 201**	**133 381**	**48 716**	**1 914**	**768**	**1 350**	**4 032**	**24 156**	**-**	**232 485**
Logs, bolts - Total	-	7	1	5 356	5 364	107 457	34 064	194	87	221	502	10 412	-	157 800
- Softwood logs	-	-	-	2 423	2 423	73 794	4 100	61	53	113	227	10 146	-	90 690
Pulpwood - Total	-	-	-	5 610	5 610	18 688	6 667	-	-	--	--	6 815	-	37 780
- Softwooods	-	-	-	5 542	5 542	18 030	2 309	-	-	-	-	6 656	-	32 536
Wood chips	-	-	5	4 360	4 365	1 442	1 093	29	8	148	185	905	-	7 990
Other primary products	2 893	-	645	3 324	6 861	5 793	6 892	1 690	673	981	3 345	6 024	-	28 916
B. Wood-fabricated materials	**526**	**43**	**4 543**	**24 231**	**29 342**	**154 394**	**538 458**	**37 210**	**10 453**	**18 333**	**65 996**	**268 123**	**10**	**1 056 324**
Lumber - Softwoods	1	6	210	10 782	11 000	28 805	71 945	5 873	400	1 356	7 629	101 465	-	220 845
- Hardwoods	256	-	1 643	2 573	4 471	47 860	162 176	15 582	3 084	7 346	26 012	21 642	8	262 169
Shingles and shakes	-	-	-	70	70	11	32	28	-	6	34	4 169	-	4 317
Veneer - Softwoods	--	-	-	-	--	322	2 766	--	15	22	37	3 875	-	7 001
- Hardwoods	-	-	4	34	38	7 531	28 689	226	1 358	654	2 238	2 023	-	40 519
Plywoods - Softwoods	-	-	553	1 182	1 735	6 097	23 542	988	61	518	1 567	9 365	-	42 306
- Hardwoods	-	-	246	666	912	11 651	23 543	277	81	461	819	23 530	-	60 456
Waferboard	-	-	-	451	451	581	1 193	349	23	256	638	245	-	3 107
Particleboard	6	-	9	139	155	2 196	9 767	3 707	400	391	4 498	12 311	-	28 926
Fibreboard	22	-	40	1 601	1 664	13 489	27 421	1 865	87	243	2 195	17 639	-	62 408
Other wood products	125	36	817	5 007	5 985	9 694	62 769	4 919	3 555	3 605	12 079	40 419	-	130 948
Other n.e.c.	115	1	1 019	1 725	2 860	26 157	124 615	3 396	1 390	3 465	8 250	31 439	2	193 325
C. Wood pulp and paper products	**2 964**	**92**	**19 735**	**48 915**	**71 707**	**436 703**	**1 273 513**	**83 528**	**7 127**	**29 012**	**119 667**	**208 234**	**9**	**2 109 839**
Wood pulp - Total	-	-	**3 846**	**4 086**	**7 932**	**56 427**	**62 461**	**12 826**	-	**188**	**13 014**	**34 280**	-	**174 114**
- Chemical	-	-	3 846	3 887	7 733	47 848	61 005	12 804	-	171	12 976	34 142	-	163 703
Paper products	**2 964**	**92**	**15 889**	**44 830**	**63 775**	**380 276**	**1 211 052**	**70 702**	**7 127**	**28 825**	**106 653**	**173 964**	**9**	**1 935 724**
Newsprint	-	-	-	423	423	247	4 713	352	1	12	365	248	-	5 996
Other paper and Paperboard	1 277	71	12 840	29 119	43 307	271 826	760 299	51 171	2 940	15 365	69 476	121 545	--	1 266 463
Book and writing paper	-	-	1 161	17 091	18 252	57 487	112 426	6 547	988	3 405	10 940	10 156	-	209 261
Fine paper	84	-	1 351	3 058	4 492	77 093	271 732	28 518	1 264	6 755	36 537	47 916	-	437 770
Tissue and sanitary	1	-	508	626	1 134	24 730	22 198	1 347	22	64	1 432	2 421	-	51 914
Wrapping and packaging	-	-	114	976	1 089	16 982	26 652	2 643	2	100	2 745	3 355	--	50 825
Paperboard	1 149	-	336	5 201	6 687	45 723	159 421	6 931	155	2 281	9 768	39 524	-	261 123
Building paper and paperboard	-	-	-	53	53	924	1 807	4	127	126	257	244	-	3 285
Converted paper	43	71	9 371	2 114	11 599	48 887	166 063	5 182	382	2 233	7 796	17 929	-	252 275
Other paper products	1 687	21	3 048	15 288	20 045	108 204	446 040	19 179	4 186	13 447	36 812	52 161	9	663 276
Total forest products	**6 383**	**142**	**24 928**	**91 797**	**123 250**	**724 479**	**1 860 686**	**122 652**	**18 348**	**48 695**	**189 695**	**500 513**	**19**	**3 398 649**

Source: Statistics Canada Special Compilation, International Trade Division.

III - 108. Imports of Forest Products (Value) by Commodity Group and Province or Region of Clearance, 1990

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
							$000							
A. Primary wood products	**879**	**-**	**1 091**	**18 779**	**20 749**	**133 455**	**54 342**	**2 626**	**731**	**1 739**	**5 096**	**28 416**	**--**	**242 057**
Logs, bolts - Total	17	-	101	3 547	3 666	96 160	33 343	151	39	270	460	12 078	-	145 706
- Softwood logs	-	-	1	1 317	1 319	67 963	4 754	127	-	52	179	11 767	-	85 982
Pulpwood - Total	-	-	-	4 895	4 895	27 376	7 954	14	-	-	14	3 665	-	43 904
- Softwooods	-	-	-	4 756	4 756	26 951	3 307	14	-	-	14	2 733	-	37 761
Wood chips	-	-	-	4 597	4 597	1 516	1 789	43	6	244	293	2 573	-	10 768
Other primary products	861	-	990	5 740	7 591	8 403	11 256	2 418	686	1 225	4 329	10 099	--	41 676
B. Wood-fabricated materials	**720**	**67**	**5 966**	**27 498**	**34 251**	**142 260**	**461 601**	**34 509**	**10 203**	**25 273**	**69 984**	**279 331**	**11**	**987 439**
Lumber - Softwoods	-	15	631	12 983	13 629	24 928	43 136	4 804	214	2 237	7 256	104 152	-	193 102
- Hardwoods	335	18	725	2 712	3 790	43 916	142 586	15 018	2 084	9 468	26 569	20 113	7	236 982
Shingles and shakes	-	-	-	58	58	1	88	9	-	6	15	3 055	-	3 217
Veneer - Softwoods	-	-	-	1	1	487	2 681	9	2	49	60	3 929	-	7 157
- Hardwoods	1	-	-	131	133	8 093	28 053	269	1 813	312	2 394	1 617	--	40 290
Plywoods - Softwoods	-	-	297	513	809	5 103	18 064	1 120	170	642	1 932	10 204	4	36 116
- Hardwoods	-	-	28	915	943	12 705	16 917	331	49	660	1 040	22 340	--	53 945
Waferboard	5	-	9	1 107	1 120	457	951	387	59	423	870	49	-	3 448
Particleboard	17	-	28	29	74	2 734	7 654	2 625	399	725	3 749	14 252	-	28 463
Fibreboard	66	-	52	1 147	1 265	9 263	23 261	2 233	133	297	2 663	15 934	-	52 384
Other wood products	195	-	893	5 552	6 640	9 103	51 804	2 931	3 498	5 622	12 052	47 778	-	127 376
Other n.e.c.	101	34	3 303	2 350	5 788	25 470	126 405	4 772	1 782	4 831	11 385	35 909	-	204 958
C. Wood pulp and paper products	**2 996**	**177**	**17 074**	**54 966**	**75 212**	**472 301**	**1 346 194**	**85 488**	**7 859**	**43 827**	**137 174**	**206 390**	**11**	**2 237 284**
Wood pulp - Total	-	-	**4 721**	**14 034**	**18 755**	**77 351**	**65 608**	**10 383**	-	**69**	**10 452**	**35 108**	-	**207 274**
- Chemical	-	-	4 721	10 780	15 501	68 692	63 890	10 376	-	61	10 438	35 095	-	193 616
Paper products	**2 996**	**177**	**12 353**	**40 932**	**56 458**	**394 950**	**1 280 586**	**75 105**	**7 859**	**43 758**	**126 722**	**171 282**	**11**	**2 030 010**
Newsprint	-	-	154	1 215	1 369	1 113	8 346	890	18	637	1 545	1 260	-	13 633
Other paper and Paperboard	1 813	73	8 662	24 148	34 697	276 010	785 169	54 388	3 704	25 325	83 416	110 134	--	1 289 427
Book and writing paper	23	-	2 072	11 206	13 302	55 759	108 125	6 249	423	4 975	11 646	8 340	--	197 173
Fine paper	253	14	1 104	1 683	3 054	84 260	301 598	32 905	850	7 904	41 660	46 116	-	476 687
Tissue and sanitary	26	-	666	1 447	2 139	25 119	25 866	1 364	1	44	1 409	3 103	-	57 636
Wrapping and packaging	123	14	27	1 765	1 928	20 786	27 771	1 968	147	188	2 303	3 887	-	56 676
Paperboard	1 182	-	597	5 556	7 335	43 202	175 145	5 615	1 934	10 359	17 909	31 649	-	275 240
Building paper and paperboard	-	-	2	22	23	446	1 216	22	40	126	188	280	-	2 153
Converted paper	207	45	4 195	2 469	6 916	46 438	145 448	6 265	308	1 728	8 301	16 759	-	223 862
Other paper products	1 182	104	3 536	15 568	20 391	117 827	487 072	19 827	4 138	17 796	41 761	59 888	11	726 960
Total forest products	**4 596**	**244**	**24 131**	**101 242**	**130 212**	**748 015**	**1 862 137**	**122 623**	**18 793**	**70 839**	**212 255**	**514 137**	**22**	**3 466 780**

Source: Statistics Canada Special Compilation, International Trade Division.

III - 11A. Imports of Forest Products (Quantity) by Commodity Group and Province or Region of Clearance, 1989

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
A. Primary wood products														
Logs, bolts - Total (1 000 m^3)	-	--	--	108	108	2 753	236	1	2	2	5	157	-	3 258
- Softwood logs	-	-	-	66	66	2 243	75	1	1	2	4	156	-	2 543
Pulpwood - Total (1 000 m^3)	-	-	-	231	231	620	248	-	-	--	--	145	-	1 245
- Softwoods	-	-	-	229	229	599	102	-	-	-	-	139	-	1 069
Wood chips (1 000 t)	-	-	--	67	67	22	21	--	--	2	3	33	-	146
B. Wood-fabricated materials														
Lumber - Softwoods (1 000 m^3)	--	--	1	45	46	161	289	31	2	6	39	501	-	1 036
- Hardwoods	1	-	13	6	19	126	380	38	5	13	55	38	--	619
Shingles and shakes (1 000 m^2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Veneer - Softwoods (1 000 m^2)	-	-	-	-	--	34	346	-	7	10	24	3 413	-	6 745
- Hardwoods	-	-	1	46	46	4 525	15 865	112	481	195	787	1 107	-	22 330
Plywood - Softwoods (1 000 m^3)	-	-	1	5	6	20	77	2	--	2	4	29	-	136
- Hardwoods	-	-	--	1	2	25	49	--	--	1	2	42	-	119
Waferboard (1 000 m^3)	-	-	-	3	3	2	5	2	--	1	3	1	-	14
Particleboard (1 000 m^3)	--	-	--	1	1	8	35	14	1	1	17	55	-	115
Fibreboard (1 000 kg)	35	-	98	2 504	2 636	32 596	35 616	3 827	98	518	4 444	30 744	-	106 036
Other wood products (1 000 m^3)	--	-	--	2	2	77	258	2	1	7	9	160	-	507
C. Wood pulp and paper products (1 000 t)	1	--	8	29	38	264	621	46	2	12	62	160	--	1 147
Wood pulp - Total	-	-	3	5	8	62	63	15	-	--	15	36	-	184
- Chemical	-	-	3	5	8	53	62	15	-	--	15	36	-	173
Paper products	1	--	5	24	30	201	558	32	2	12	47	114	--	962
Newsprint	-	-	-	1	1	--	7	--	--	--	--	--	-	9
Other paper and paperboard	1	--	5	23	29	201	551	31	2	12	46	113	--	954
Book and writing paper	-	-	1	14	15	47	83	4	--	2	6	8	-	173
Fine paper	--	-	1	2	3	49	169	14	1	4	19	34	-	274
Tissue and sanitary	--	-	--	--	--	10	10	--	--	--	--	2	-	22
Wrapping and packaging	-	-	--	1	1	21	24	3	--	--	3	3	--	54
Paperboard	1	-	--	5	6	56	204	7	--	5	12	57	-	335
Building paper and paperboard	-	-	-	--	--	1	2	--	--	--	--	--	-	4
Converted paper	--	--	3	1	3	18	59	2	--	1	3	8	-	91

Source: Statistics Canada Special Compilation, International Trade Division.

III - 11B. Imports of Forest Products (Quantity) by Commodity Group and Province or Region of Clearance, 1990

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
A. Primary wood products														
Logs, bolts - Total (1 000 m^3)	--	-	1	78	79	2 215	223	4	--	2	5	191	-	2 712
- Softwood logs	-	-	--	41	41	1 882	88	3	-	1	4	190	-	2 206
Pulpwood - Total (1 000 m^3)	-	-	-	210	210	917	292	--	-	-	--	84	-	1 503
- Softwoods	-	-	-	206	206	906	144	--	-	-	--	58	-	1 315
Wood chips (1 000 t)	-	-	-	62	62	23	40	1	--	4	5	58	-	188
B. Wood-fabricated materials														
Lumber - Softwoods (1 000 m^3)	-	--	3	74	76	131	188	27	1	11	40	563	-	996
- Hardwoods	1	--	4	6	11	119	321	37	4	15	56	32	--	538
Shingles and shakes (1 000 m^2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Veneer - Softwoods (1 000 m^2)	-	-	-	--	--	369	2 326	4	1	25	30	4 250	-	6 975
- Hardwoods	--	-	-	247	248	5 206	16 388	116	616	86	818	771	--	23 430
Plywood - Softwoods (1 000 m^3)	-	-	1	3	4	19	60	2	--	2	5	34	-	123
- Hardwoods	-	-	--	2	2	26	39	1	--	2	3	38	--	106
Waferboard (1 000 m^3)	--	-	--	6	7	2	5	2	--	2	4	--	-	18
Particleboard (1 000 m^3)	--	-	--	--	--	9	29	10	1	3	14	59	-	112
Fibreboard (1 000 kg)	52	-	65	1 901	2 018	20 838	34 146	3 938	273	713	4 924	29 993	-	91 919
Other wood products (1 000 m^3)	13	-	9	69	90	176	1 176	17	27	90	134	338	-	1 914
C. Wood pulp and paper products (1 000 t)	1	--	10	43	55	322	673	48	3	23	74	141	--	1 265
Wood pulp - Total	-	-	6	21	27	101	73	14	-	--	14	38	-	253
- Chemical	-	-	6	15	21	91	72	14	-	--	14	38	-	236
Paper products	1	--	4	23	28	221	599	35	3	23	61	103	--	1 012
Newsprint	-	-	--	2	2	1	13	1	--	1	2	2	-	20
Other paper and paperboard	1	--	4	21	26	220	587	33	3	22	58	101	--	992
Book and writing paper	--	-	2	10	11	54	92	5	--	4	10	7	--	174
Fine paper	--	--	1	1	2	57	191	17	1	5	23	33	-	306
Tissue and sanitary	--	-	--	1	1	11	12	--	--	--	--	2	-	26
Wrapping and packaging	--	--	--	2	2	28	27	3	--	--	3	4	-	64
Paperboard	1	-	1	6	7	53	212	6	2	12	20	47	-	339
Building paper and paperboard	-	-	--	--	--	1	1	--	--	--	--	--	-	2
Converted paper	--	--	1	1	2	16	51	2	--	1	3	8	-	81

Source: Statistics Canada Special Compilation, International Trade Division.

III - 12A. Domestic Exports[a] of Forest Products (Value) by Commodity Group and Major Trade Group, 1989

Commodity	United States	South and Central America	Africa	Europe					Asia			
				United Kingdom	Other EEC	Scandi-navia	Europe	USSR	Japan	Asia	Oceania	World
							$000					
A. Primary wood products	**153 263**	**539**	**-**	**591**	**8 843**	**97**	**10 116**	**61**	**267 709**	**286 625**	**35**	**450 659**
Logs, bolts - Total	29 177	-	-	502	3 438	93	4 557	61	140 400	155 125	17	188 938
- Softwood logs	24 472	-	-	87	384	10	479	-	137 806	146 999	-	171 950
Pulpwood - Total	13 034	-	-	-	5 093	-	5 093	-	208	3 334	-	21 461
- Softwoods	11 000	-	-	-	5 093	-	5 093	-	205	3 025	-	19 119
Wood chips	37 847	-	-	-	11	-	11	-	126 851	126 854	-	164 711
Other primary products	73 204	539	-	89	301	5	455	-	251	1 313	18	75 548
B. Wood-fabricated materials	**4 486 261**	**24 596**	**96 164**	**577 200**	**301 114**	**12 034**	**897 281**	**32**	**1 093 268**	**1 180 280**	**111 560**	**6 797 453**
Lumber - Softwoods	3 360 418	19 178	93 095	475 931	219 280	57	699 348	-	1 051 666	1 108 808	105 166	5 386 331
- Hardwoods	53 380	335	1 417	15 591	33 941	3 170	53 162	32	13 093	21 143	231	129 725
Shingles and shakes	208 659	371	19	903	2 469	-	3 548	-	414	662	1 516	214 791
Veneer - Softwoods	25 248	62	-	51	271	-	607	-	1 121	1 506	141	27 585
- Hardwoods	93 353	485	1 163	865	9 480	2 775	13 755	-	3 085	7 388	322	116 467
Plywood - Softwoods	11 251	293	-	53 616	23 747	1 701	79 227	-	12 917	13 135	445	104 550
- Hardwoods	43 011	41	-	75	92	-	227	-	-	87	278	43 690
Waferboard	193 204	14	-	2 816	978	109	4 008	-	1 284	1 554	-	198 784
Particleboard	36 608	21	-	114	28	-	142	-	149	373	-	37 150
Fibreboard	28 403	223	-	1 700	3 596	2 929	8 462	-	2 899	16 276	124	53 498
Other wood products	199 480	164	3	7 480	1 909	495	10 193	-	1 841	2 838	2 269	215 086
Other n.e.c.	233 247	3 409	466	18 060	5 323	799	24 602	-	4 800	6 510	1 067	269 816
C. Wood pulp and paper products	**10 098 026**	**381 699**	**48 566**	**649 461**	**1 935 970**	**26 948**	**2 724 985**	**29 499**	**1 185 473**	**2 045 696**	**219 276**	**15 549 405**
Wood pulp - Total	**3 097 426**	**84 327**	**6 044**	**288 220**	**1 650 335**	**25 806**	**2 073 208**	**29 368**	**1 032 189**	**1 571 101**	**78 864**	**6 940 337**
- Chemical	3 043 720	82 367	6 044	288 220	1 650 184	25 806	2 073 057	29 368	952 864	1 484 290	78 864	6 797 710
Paper products	**7 000 600**	**297 372**	**42 522**	**361 242**	**285 636**	**1 141**	**651 778**	**132**	**153 284**	**474 596**	**140 411**	**8 609 068**
Newsprint	4 795 778	197 097	23 078	268 828	196 055	-	465 426	-	107 197	272 720	111 458	5 865 557
Other paper and paperboard	1 899 723	84 371	16 051	87 258	78 118	649	168 527	1	39 444	170 013	16 114	2 354 959
Book and writing paper	948 910	25 575	4 625	45 933	15 429	38	61 406	-	13 122	41 811	3 734	1 086 060
Fine paper	397 851	8 935	4 600	6 257	3 978	78	10 628	-	1 227	20 365	5 344	447 743
Tissue and sanitary	62 108	175	-	588	48	-	674	-	-	16 647	239	79 842
Wrapping and packaging	131 233	14 931	3 264	12 045	19 204	522	32 472	-	9 413	40 314	1 439	223 657
Paperboard	151 423	33 472	2 639	18 974	38 611	11	59 036	1	15 601	49 380	3 339	299 399
Building paper and paperboard	23 228	41	-	48	2	-	50	-	23	183	-	23 506
Converted paper	184 970	1 244	925	3 413	849	--	4 261	-	58	1 312	2 019	194 751
Other paper products	305 098	15 905	3 392	5 156	11 463	492	17 825	131	6 643	31 862	12 840	388 551
Total forest products	**14 737 550**	**406 835**	**144 730**	**1 227 253**	**2 245 930**	**39 080**	**3 632 383**	**29 593**	**2 546 450**	**3 512 601**	**330 871**	**22 797 517**

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 12B. Domestic Exports* of Forest Products (Value) by Commodity Group and Major Trade Group, 1990

Commodity	United States	South and Central America	Africa	Europe				USSR	Asia		Oceania	World
				United Kingdom	Other EEC	Scandi-navia	Europe		Japan	Asia		
							$000					
A. Primary wood products	**137 282**	**579**	**-**	**424**	**8 764**	**81**	**9 385**	**-**	**202 388**	**210 028**	**10**	**357 352**
Logs, bolts - Total	11 170	-	-	63	2 318	52	2 526	-	88 508	94 178	-	107 875
- Softwood logs	5 532	-	-	17	168	8	193	-	87 373	90 076	-	95 801
Pulpwood - Total	845	-	-	-	6 045	-	6 046	-	244	686	-	7 577
- Softwoods	122	-	-	-	5 814	-	5 814	-	244	659	-	6 595
Wood chips	26 643	-	-	-	8	-	8	-	113 494	113 554	-	140 205
Other primary products	98 623	579	-	360	392	29	805	-	122	1 610	10	101 695
B. Wood-fabricated materials	**4 251 736**	**9 443**	**92 297**	**584 957**	**417 622**	**15 374**	**1 027 952**	**443**	**1 052 513**	**1 143 180**	**88 330**	**6 615 060**
Lumber - Softwoods	3 157 785	3 159	87 879	504 608	329 421	1 414	839 859	-	1 015 556	1 076 933	83 633	5 249 907
- Hardwoods	55 917	217	2 106	15 977	29 236	2 658	49 107	266	6 444	13 471	262	121 386
Shingles and shakes	220 028	305	40	1 344	2 505	2	3 947	-	434	668	1 145	226 160
Veneer - Softwoods	25 719	-	-	-	72	-	72	-	511	546	10	26 351
- Hardwoods	107 605	373	1 582	1 029	9 342	3 374	14 718	-	2 650	7 623	452	132 354
Plywood - Softwoods	9 146	64	2	36 245	27 821	3 150	67 250	-	16 999	19 978	149	96 885
- Hardwoods	42 521	84	-	29	31	29	89	-	25	25	-	42 750
Waferboard	158 769	12	-	3 303	3 176	20	6 522	-	1 476	1 726	9	167 043
Particleboard	69 467	38	-	9	14	19	42	-	216	486	-	70 038
Fibreboard	35 560	345	-	1 316	5 744	3 180	10 256	-	2 221	10 379	619	57 174
Other wood products	192 614	1 771	-	6 653	4 111	435	14 098	-	2 411	4 127	1 469	214 241
Other n.e.c.	176 605	3 075	688	14 444	6 155	1 093	21 992	176	3 569	7 218	582	210 770
C. Wood pulp and paper products	**10 694 371**	**342 382**	**23 255**	**512 040**	**1 753 701**	**20 489**	**2 409 715**	**18 183**	**773 715**	**1 561 933**	**143 886**	**15 195 153**
Wood pulp - Total	**3 067 318**	**76 959**	**991**	**231 036**	**1 420 667**	**18 622**	**1 790 056**	**17 993**	**659 795**	**1 106 769**	**55 001**	**6 115 086**
- Chemical	2 991 838	76 523	991	231 036	1 420 131	18 622	1 789 519	17 993	597 105	1 042 902	55 001	5 974 768
Paper products	**7 627 053**	**265 423**	**22 264**	**281 004**	**333 034**	**1 866**	**619 659**	**190**	**113 920**	**455 164**	**88 885**	**9 080 067**
Newsprint	4 998 454	186 367	6 387	185 183	209 577	74	394 921	-	81 636	246 111	65 617	5 897 857
Other paper and paperboard	2 276 112	60 210	13 713	90 593	105 068	954	198 494	67	27 732	177 310	10 462	2 736 369
Book and writing paper	962 507	24 242	3 992	48 710	26 786	783	76 322	9	7 194	37 019	2 035	1 106 125
Fine paper	573 853	8 354	2 520	9 756	2 942	-	12 718	8	82	19 138	4 031	620 623
Tissue and sanitary	95 332	440	335	149	1 036	-	1 185	-	40	12 201	911	110 404
Wrapping and packaging	147 055	9 145	655	3 321	17 824	-	21 144	-	4 436	35 939	187	214 126
Paperboard	233 741	16 871	5 192	23 575	54 731	58	79 938	-	15 972	71 723	779	406 244
Building paper and paperboard	39 301	94	-	-	10	-	10	-	-	24	-	39 430
Converted paper	224 322	1 064	1 020	5 082	1 741	113	7 177	50	8	1 267	2 518	237 416
Other paper products	352 487	18 846	2 163	5 228	18 389	839	26 244	123	4 551	31 743	12 806	445 841
Total forest products	**15 083 389**	**352 404**	**115 552**	**1 097 420**	**2 180 088**	**35 944**	**3 447 052**	**18 625**	**2 028 596**	**2 915 141**	**232 226**	**22 167 566**

*Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 13A. Domestic Exports[a] of Forest Products (Quantity) by Commodity Group and Major Trade Group, 1989

Commodity	United States	South and Central America	Africa	Europe				USSR	Asia		Oceania	World
				United Kingdom	Other EEC	Scandi-navia	Europe		Japan	Asia		
A. Primary wood products												
Logs, bolts - Total (1 000 m^3)	385	-	-	5	20	--	28	--	1 180	1 399	--	1 813
- Softwood logs	344	-	-	--	7	--	8	-	1 163	1 327	-	1 679
Pulpwood - Total (1 000 m^3)	610	-	-	-	126	-	126	-	10	77	-	813
- Softwoods	475	-	-	-	126	-	126	-	10	73	-	674
Wood chips (1 000 t)	823	-	-	-	--	-	--	-	1 069	1 069	-	1 891
B. Wood-fabricated materials												
Lumber - Softwoods (1 000 m^3)	31 049	145	562	2 754	854	--	3 620	-	3 952	4 283	408	40 069
- Hardwoods	286	1	3	29	54	6	88	--	21	35	--	413
Shingles and shakes (1 000 m^2)	32 184	44	2	102	327	-	446	-	59	82	206	32 968
Veneer - Softwoods (1 000 m^2)	45 898	24	-	25	134	-	404	-	2 502	2 789	60	49 174
- Hardwoods	90 338	326	876	511	6 829	1 902	9 788	-	1 795	5 079	152	106 559
Plywood - Softwoods (1 000 m^3)	30	1	-	161	78	7	246	-	45	46	2	325
- Hardwoods	69	--	-	--	--	-	--	-	-	--	5	76
Waferboard (1 000 m^3)	1 106	--	-	15	5	1	21	-	7	9	-	1 135
Particleboard (1 000 m^3)	168	--	-	1	--	-	1	-	1	2	-	171
Fibreboard (1 000 kg)	60 462	282	-	2 799	11 258	8 286	23 078	-	8 170	45 024	274	129 131
Other wood products (1 000 m^3)	10 412	21	--	442	114	57	614	-	27	45	7	11 117
C. Wood pulp and paper products (1 000 t)	12 698	534	65	884	2 291	30	3 332	30	1 502	2 616	272	19 547
Wood pulp - Total	3 668	105	7	368	1 884	29	2 405	30	1 279	1 934	94	8 242
- Chemical	3 537	101	7	368	1 884	29	2 404	30	1 117	1 757	94	7 930
Paper products	9 030	429	58	516	404	1	927	--	223	682	178	11 304
Newsprint	6 888	300	37	396	267	-	664	-	158	427	167	8 482
Other paper and paperboard	2 142	129	21	120	140	1	263	--	65	256	10	2 822
Book and writing paper	1 120	31	5	57	18	--	75	-	15	58	4	1 293
Fine paper	402	7	3	7	4	--	12	-	2	19	3	447
Tissue and sanitary	51	--	-	1	--	-	1	-	-	13	--	65
Wrapping and packaging	170	19	6	17	34	1	52	-	15	59	2	308
Paperboard	280	70	6	37	83	--	122	--	34	106	1	586
Building paper and paperboard	63	--	-	--	--	-	--	-	--	--	-	64
Converted paper	55	--	1	1	--	--	1	-	--	1	1	59

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 13B. Domestic Exports[a] of Forest Products (Quantity) by Commodity Group and Major Trade Group, 1990

Commodity	United States	South and Central America	Africa	Europe				USSR	Asia		Oceania	World
				United Kingdom	Other EEC	Scandi-navia	Europe		Japan	Asia		
A. Primary wood products												
Logs, bolts - Total (1 000 m^3)	80	-	-	1	7	--	8	-	710	765	-	853
- Softwood logs	53	-	-	--	1	--	1	-	705	728	-	782
Pulpwood - Total (1 000 m^3)	26	-	-	-	150	-	149	-	8	17	-	192
- Softwoods	3	-	-	-	145	-	145	-	8	17	-	165
Wood chips (1 000 t)	647	-	-	-	--	-	--	-	922	922	-	1 569
B. Wood-fabricated materials												
Lumber - Softwoods (1 000 m^3)	27 795	14	491	2 814	1 275	10	4 114	-	3 980	4 376	294	37 088
- Hardwoods	261	--	4	36	54	5	97	--	10	23	--	387
Shingles and shakes (1 000 m^2)	32 773	31	3	141	289	--	443	-	47	78	130	33 462
Veneer - Softwoods (1 000 m^2)	45 677	-	-	-	44	-	44	-	1 163	1 173	10	46 914
- Hardwoods	82 690	255	1 358	648	6 862	2 239	10 496	-	1 468	5 617	160	100 576
Plywood - Softwoods (1 000 m^3)	18	--	--	106	88	11	207	-	60	79	1	306
- Hardwoods	89	--	-	--	--	--	--	-	--	--	-	90
Waferboard (1 000 m^3)	1 141	--	-	18	18	--	36	-	9	10	--	1 187
Particleboard (1 000 m^3)	365	--	-	--	--	--	--	-	1	2	-	368
Fibreboard (1 000 kg)	198	1	-	4	24	12	39	-	9	53	3	294
Other wood products (1 000 m^3)	13 916	189	-	278	468	18	768	-	113	116	59	15 070
C. Wood pulp and paper products (1 000 t)	**13 760**	**506**	**34**	**711**	**2 191**	**23**	**3 075**	**19**	**1 122**	**2 337**	**189**	**19 921**
Wood pulp - Total	**3 854**	**116**	**1**	**319**	**1 729**	**22**	**2 219**	**19**	**939**	**1 622**	**69**	**7 901**
- Chemical	3 709	115	1	319	1 728	22	2 218	19	788	1 468	69	7 600
Paper products	**9 906**	**390**	**33**	**392**	**461**	**1**	**855**	**--**	**183**	**716**	**120**	**12 020**
Newsprint	7 336	297	10	280	294	--	574	-	130	412	113	8 743
Other paper and paperboard	2 571	93	23	112	168	1	281	--	54	304	6	3 277
Book and writing paper	1 119	33	6	56	26	1	82	--	9	55	2	1 297
Fine paper	611	8	2	9	4	-	13	--	--	20	3	657
Tissue and sanitary	76	--	--	--	1	-	1	-	--	9	1	88
Wrapping and packaging	189	12	1	4	28	-	33	-	8	56	--	291
Paperboard	402	38	13	41	109	--	151	-	37	162	--	767
Building paper and paperboard	111	--	-	-	--	-	--	-	-	--	-	111
Converted paper	62	--	1	2	--	--	2	--	--	1	1	67

[a]Excluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 14A. Domestic Exports[a] of Forest Products (Value) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1989

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	%
							$000								
United States	**110 204**	**842**	**357 325**	**827 160**	**1 295 532**	**4 063 459**	**3 703 937**	**208 509**	**217 391**	**673 636**	**1 099 536**	**4 575 078**	**9**	**14 737 550**	**64.6**
Softwood lumber	3	-	528	73 265	73 796	450 945	375 345	65 672	12 144	159 109	236 925	2 223 402	5	3 360 418	
Wood pulp	19	-	132 492	350 919	483 430	377 569	927 596	4 884	86 687	397 607	489 178	819 653	-	3 097 426	
Newsprint	39 618	55	196 090	180 859	416 621	2 189 563	1 426 158	63 433	-	-	63 433	700 003	-	4 795 778	
Central America	**38 880**	**9**	**809**	**52 093**	**91 791**	**33 214**	**21 147**	**6 763**	**-**	**2 841**	**9 604**	**56 113**	**-**	**211 870**	**0.9**
Softwood lumber	-	-	75	3 544	3 619	1 300	2 609	-	-	6	6	11 439	-	18 973	
Wood pulp	-	-	-	1 413	1 413	1 622	-	338	-	2 786	3 124	22 317	-	28 476	
Newsprint	38 877	-	-	22 699	61 576	10 853	51	-	-	-	-	12 605	-	85 085	
South America	**45 065**	**-**	**16 263**	**23 099**	**84 427**	**48 246**	**1 707**	**-**	**-**	**553**	**553**	**60 031**	**-**	**194 965**	**0.9**
Softwood lumber	-	-	-	8	8	-	-	-	-	-	-	198	-	205	
Wood pulp	-	-	-	155	155	9 556	-	-	-	552	552	45 588	-	55 851	
Newsprint	35 707	-	16 219	16 575	68 501	33 957	-	-	-	-	-	9 553	-	112 012	
Middle East and North Africa	**8 166**	**760**	**19 121**	**18 619**	**46 665**	**33 223**	**13 067**	**26**	**4**	**16**	**46**	**110 246**	**-**	**203 247**	**0.9**
Softwood lumber	-	760	-	-	760	8 670	5 787	-	-	1	1	96 294	-	111 514	
Wood pulp	-	-	6 717	1 779	8 495	2 677	-	-	-	-	-	945	-	12 117	
Newsprint	3 893	-	11 721	4 251	19 864	11 135	128	-	-	-	-	665	-	31 792	
United Kingdom	**82 144**	**-**	**46 832**	**173 417**	**302 392**	**278 363**	**55 339**	**2 401**	**-**	**3 943**	**6 344**	**584 814**	**-**	**1 227 253**	**5.4**
Softwood lumber	16	-	18 650	46 815	65 482	71 631	8 223	76	-	1 944	2 020	328 576	-	475 931	
Wood pulp	-	-	27 421	75 350	102 771	51 059	9 545	-	-	458	458	124 387	-	288 220	
Newsprint	50 575	-	277	48 779	99 632	126 031	-	-	-	-	-	43 165	-	268 828	
Other EEC countries	**54 284**	**273**	**50 415**	**179 768**	**284 740**	**398 625**	**43 979**	**789**	**3 045**	**4 762**	**8 596**	**1 509 988**	**-**	**2 245 930**	**9.9**
Softwood lumber	-	-	1 771	2 407	4 177	15 132	577	101	-	1 048	1 149	198 245	-	219 280	
Wood pulp	-	-	39 545	143 269	182 815	224 159	12 905	-	3 045	1 623	4 668	1 225 787	-	1 650 336	
Newsprint	49 786	-	5 092	29 811	84 689	108 891	281	-	-	-	-	2 194	-	196 055	
Scandinavia	**-**	**-**	**16 069**	**-**	**16 069**	**12 118**	**5 368**	**-**	**-**	**2 065**	**2 065**	**3 459**	**-**	**39 080**	**0.2**
Softwood lumber	-	-	-	-	-	17	-	-	-	-	-	40	-	57	
Wood pulp	-	-	16 069	-	16 069	8 722	-	-	-	-	-	1 015	-	25 806	
Newsprint	-	-	-	-	-	-	-	-	-	-	-	-	-		

III - 14A. Domestic Exports[a] of Forest Products (Value) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1989 (concluded)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	%
							$ 000								
China, People's Rep.	**6 903**	**-**	**4 563**	**7 312**	**18 778**	**5 164**	**302**	**-**	**-**	**1 493**	**1 493**	**121 022**	**-**	**146 758**	**0.6**
Softwood lumber	-	-	-	-	-	-	-	-	-	15	15	6 852	-	6 867	
Wood pulp	-	-	4 563	918	5 481	1 264	36	-	-	1 149	1 149	97 478	-	105 407	
Newsprint	3 564	-	-	5 801	9 364	3 809	13	-	-	-	-	7 553	-	20 739	
[redacted]	**15 982**	**-**	**2 386**	**182 485**	**200 853**	**40 556**	**13 272**	**1 359**	**48 454**	**23 806**	**73 621**	**2 218 148**	**-**	**2 546 450**	**11.2**
Softwood lumber	7	-	-	3	10	312	456	53	23	1 824	1 901	1 048 986	-	1 051 666	
Wood pulp	-	-	1 812	116 241	118 053	20 189	2 415	-	48 137	18 855	66 992	824 540	-	1 032 189	
Newsprint	15 936	-	574	65 895	82 405	8 443	465	-	-	-	-	15 884	-	107 197	
Southeast Asia	**761**	**-**	**1 405**	**6 402**	**8 568**	**34 587**	**6 356**	**87**	**-**	**640**	**727**	**153 503**	**-**	**203 740**	**0.9**
Softwood lumber	-	-	-	-	-	29	-	-	-	-	-	104	-	133	
Wood pulp	-	-	291	-	291	1 050	-	-	-	80	80	97 646	-	99 067	
Newsprint	356	-	-	2 779	3 135	16 466	780	-	-	-	-	23 712	-	44 092	
Australia	**10 890**	**-**	**3 487**	**842**	**15 219**	**25 777**	**13 218**	**5**	**3**	**884**	**892**	**253 973**	**-**	**309 078**	**1.4**
Softwood lumber	-	-	-	1	1	1 178	617	-	-	532	532	94 724	-	97 052	
Wood pulp	-	-	1 729	495	2 225	2 267	-	-	-	311	311	73 981	-	78 784	
Newsprint	10 739	-	-	-	10 739	16 945	-	-	-	-	-	79 777	-	107 461	
Other countries	**3 625**	**4**	**6 401**	**34 010**	**44 039**	**116 546**	**25 358**	**1 947**	**6 172**	**15 798**	**23 916**	**521 738**	**--**	**731 596**	**3.2**
Softwood lumber	1	--	754	102	856	3 597	283	--	6	31	36	39 464	--	44 235	
Wood pulp	--	-	2 754	24 566	27 319	76 719	1 094	5	6 155	10 587	16 747	344 781	-	466 659	
Newsprint	3 592	--	499	6 937	11 028	10 796	1 425	--	-	-	--	73 270	-	96 518	
World	**376 903**	**1 888**	**525 076**	**1 505 206**	**2 409 073**	**5 089 878**	**3 903 050**	**221 886**	**275 069**	**730 439**	**1 227 393**	**10 168 113**	**9**	**22 797 517**	**100.0**
Softwood lumber	27	760	21 778	126 145	148 709	552 811	393 897	65 902	12 173	164 510	242 585	4 048 324	5	5 386 331	
Wood pulp	19	-	233 393	715 105	948 517	776 853	953 591	5 227	144 024	434 008	583 259	3 678 118	-	6 940 337	
Newsprint	252 643	55	230 471	384 385	867 554	2 536 889	1 429 301	63 433	-	-	63 433	968 381	-	5 865 557	

[a] Excluding re-exports.
[b] See Section X.B. for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 14B. Domestic Exports[a] of Forest Products (Value) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1990

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	%
							$000								
United States	**193 351**	**254**	**433 034**	**869 461**	**1 496 099**	**4 282 310**	**3 911 151**	**182 182**	**215 357**	**553 225**	**950 764**	**4 439 993**	**58**	**15 083 389**	**68.0**
Softwood lumber	138	49	488	81 715	82 390	349 091	528 108	55 575	14 951	161 078	231 604	1 963 561	17	3 157 785	
Wood pulp	-	122	201 732	378 160	580 014	389 358	840 476	-	85 774	299 013	384 787	872 682	-	3 067 318	
Newsprint	192 513	-	203 419	140 406	536 337	2 170 360	1 434 208	37 027	-	2 078	39 105	818 444	-	4 998 454	
Central America	**17 518**	**95**	**571**	**27 106**	**45 291**	**34 081**	**19 642**	**2 890**	**302**	**6 708**	**9 899**	**41 398**	**-**	**150 310**	**0.7**
Softwood lumber	-	-	50	73	123	1 074	1 133	-	-	-	-	786	-	3 116	
Wood pulp	-	-	-	3 131	3 131	42	-	-	302	6 707	7 009	19 233	-	29 415	
Newsprint	15 886	-	-	11 545	27 431	19 081	56	-	-	-	-	14 976	-	61 543	
South America	**48 821**	**-**	**10 555**	**17 051**	**76 426**	**68 223**	**3 215**	**80**	**-**	**2 238**	**2 318**	**51 911**	**-**	**202 094**	**0.9**
Softwood lumber	-	-	-	-	-	-	-	-	-	-	-	43	-	43	
Wood pulp	-	-	-	377	377	12 311	-	-	-	2 238	2 238	32 617	-	47 544	
Newsprint	37 467	-	10 555	12 566	60 588	48 199	-	-	-	-	-	16 036	-	124 824	
Middle East and North Africa	**6 475**	**989**	**12 091**	**13 275**	**32 829**	**47 612**	**15 592**	**3 771**	**-**	**527**	**4 299**	**119 069**	**-**	**219 401**	**1.0**
Softwood lumber	-	668	606	47	1 321	16 153	5 921	-	-	43	43	102 068	-	125 506	
Wood pulp	-	-	7 940	-	7 940	1 404	-	-	-	77	77	9 444	-	18 866	
Newsprint	3 281	-	3 214	957	7 452	6 381	4 070	-	-	-	-	1 258	-	19 161	
United Kingdom	**58 762**	**-**	**58 056**	**173 528**	**290 346**	**217 233**	**89 189**	**1 257**	**-**	**7 895**	**9 151**	**491 501**	**-**	**1 097 420**	**5.0**
Softwood lumber	-	-	29 820	40 540	70 361	77 146	36 022	-	-	3 774	3 774	317 306	-	504 608	
Wood pulp	-	-	26 000	75 603	101 603	36 483	20 720	-	-	2 961	2 961	69 269	-	231 036	
Newsprint	29 235	-	1 615	44 071	74 921	69 046	-	-	-	-	-	41 216	-	185 183	
Other EEC countries	**63 453**	**-**	**60 636**	**191 039**	**315 127**	**325 167**	**49 949**	**972**	**14 275**	**22 462**	**37 711**	**1 452 134**	**-**	**2 180 088**	**9.8**
Softwood lumber	33	-	1 543	10 569	12 146	24 415	4 725	-	-	1 444	1 444	286 692	-	329 421	
Wood pulp	-	-	44 789	109 876	154 665	183 774	4 670	-	14 275	17 524	31 799	1 045 758	-	1 420 667	
Newsprint	57 477	-	9 298	54 288	121 062	70 821	512	-	-	-	-	17 182	-	209 577	
Scandinavia	**1**	**-**	**10 403**	**1 020**	**11 423**	**12 630**	**6 055**	**-**	**-**	**2 542**	**2 542**	**3 287**	**-**	**35 944**	**0.2**
Softwood lumber	-	-	266	537	804	397	72	-	-	-	-	141	-	1 414	
Wood pulp	-	-	10 101	-	10 101	8 419	-	-	-	-	-	102	-	18 622	
Newsprint	-	-	-	-	-	67	7	-	-	-	-	-	-	74	

III - 14B. Domestic Exports[a] of Forest Products (Value) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1990 (concluded)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	%
							$ 000								
China, People's Rep.	**4 024**	**-**	**1 683**	**26**	**5 733**	**1 158**	**83**	**-**	**1 802**	**-**	**1 802**	**145 207**	**-**	**153 983**	**0.7**
Softwood lumber	-	-	-	26	26	-	-	-	-	-	-	1 290	-	1 316	
Wood pulp	-	-	1 683	-	1 683	745	-	-	1 802	-	1 802	129 140	-	133 371	
Newsprint	-	-	-	-	-	203	-	-	-	-	-	2 803	-	3 005	
Japan	**13 912**	**-**	**1 830**	**117 010**	**132 752**	**27 165**	**6 219**	**180**	**30 731**	**36 979**	**67 890**	**1 794 375**	**195**	**2 028 596**	**9.2**
Softwood lumber	-	-	-	37	37	-	222	21	41	4 001	4 062	1 011 235	-	1 015 556	
Wood pulp	-	-	1 763	71 198	72 961	18 320	-	-	30 673	29 632	60 305	508 209	-	659 795	
Newsprint	13 912	-	-	44 928	58 840	1 700	5	-	-	-	-	21 092	-	81 636	
Southeast Asia	**1 153**	**-**	**42**	**4 267**	**5 462**	**23 867**	**4 726**	**3 012**	**2 073**	**721**	**5 806**	**130 048**	**-**	**169 908**	**0.8**
Softwood lumber	-	-	-	5	5	-	-	15	-	-	15	160	-	180	
Wood pulp	-	-	-	-	-	105	-	-	-	602	602	62 598	-	63 306	
Newsprint	184	-	-	2 602	2 786	12 005	526	-	-	-	-	36 531	-	51 848	
Australia	**4 206**	**-**	**996**	**1 429**	**6 631**	**13 193**	**11 815**	**-**	**-**	**--**	**--**	**172 180**	**-**	**203 820**	**0.9**
Softwood lumber	-	-	-	-	-	120	4	-	-	-	-	70 686	-	70 810	
Wood pulp	-	-	500	-	500	2 241	-	-	-	-	-	52 110	-	54 852	
Newsprint	4 206	-	-	-	4 206	6 143	-	-	-	-	-	46 461	-	58 810	
Other countries	**16 022**	**65**	**8 603**	**23 585**	**48 279**	**101 112**	**25 417**	**731**	**4 248**	**24 583**	**29 561**	**438 246**	**--**	**642 613**	**2.9**
Softwood lumber	--	--	2 282	155	2 434	47	12	--	-	72	72	37 585	--	40 153	
Wood pulp	-	--	180	16 161	16 341	52 878	--	-	3 552	17 772	21 325	279 757	-	370 294	
Newsprint	12 385	65	3 899	3 117	19 468	19 049	1 144	--	-	--	--	66 079	-	106 742	
World	**427 698**	**1 403**	**598 500**	**1 438 797**	**2 466 398**	**5 153 751**	**4 143 053**	**195 075**	**268 788**	**657 879**	**1 121 741**	**9 279 349**	**253**	**22 167 566**	**100.0**
Softwood lumber	171	717	35 055	133 704	169 647	466 443	576 219	55 611	14 991	170 412	241 014	3 791 553	17	5 249 907	
Wood pulp	-	122	294 688	654 506	949 316	706 080	865 866	-	136 378	376 526	512 905	3 080 919	-	6 115 086	
Newsprint	366 546	65	232 000	314 480	913 091	2 423 055	1 440 528	37 027	-	2 078	39 105	1 082 078	-	5 897 857	

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 15A. Domestic Exports[a] of Forest Products (Quantity) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1989

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
United States														
Softwood lumber (1 000 m^3)	--	-	4	623	627	4 047	3 402	578	116	1 728	2 423	20 550	--	31 049
Wood pulp (1 000 t)	--	-	162	477	639	423	1 046	6	114	459	579	980	-	3 668
Newsprint (1 000 t)	53	--	272	271	596	3 022	2 064	93	-	-	93	1 113	-	6 888
Central America														
Softwood lumber (1 000 m^3)	-	-	--	26	27	5	8	-	-	--	--	103	-	144
Wood pulp (1 000 t)	-	-	-	2	2	2	-	--	-	4	5	30	-	39
Newsprint (1 000 t)	61	-	-	35	95	14	--	-	-	-	-	19	-	129
South America														
Softwood lumber (1 000 m^3)	-	-	-	--	--	-	-	-	-	-	-	1	-	1
Wood pulp (1 000 t)	-	-	-	--	--	13	-	-	-	1	1	52	-	66
Newsprint (1 000 t)	56	-	22	27	104	52	-	-	-	-	-	15	-	171
Middle East and North Africa														
Softwood lumber (1 000 m^3)	-	10	-	-	10	54	29	-	-	--	--	611	-	703
Wood pulp (1 000 t)	-	-	8	2	10	3	-	-	-	-	-	1	-	14
Newsprint (1 000 t)	7	-	19	7	31	17	--	-	-	-	-	1	-	52
United Kingdom														
Softwood lumber (1 000 m^3)	--	-	108	295	403	418	40	--	-	13	13	1 880	-	2 754
Wood pulp (1 000 t)	-	-	31	121	151	64	10	-	-	1	1	142	-	368
Newsprint (1 000 t)	73	-	--	68	142	174	-	-	-	-	-	80	-	396
Other EEC countries														
Softwood lumber (1 000 m^3)	-	-	9	14	23	110	2	1	-	5	6	712	-	854
Wood pulp (1 000 t)	-	-	44	161	204	263	13	-	3	2	6	1 401	-	1 884
Newsprint (1 000 t)	75	-	7	46	127	134	--	-	-	-	-	4	-	267
Scandinavia														
Softwood lumber (1 000 m^3)	-	-	-	-	-	--	-	-	-	-	-	--	-	--
Wood pulp (1 000 t)	-	-	18	-	18	10	-	-	-	-	-	1	-	29
Newsprint (1 000 t)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

III - 15A. Domestic Exports[a] of Forest Products (Quantity) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1989 (concluded)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
China, People's Rep.														
Softwood lumber (1 000 m^3)	-	-	-	-	-	-	-	-	-	--	--	52	-	52
Wood pulp (1 000 t)	-	-	5	1	6	2	--	-	-	2	2	112	-	123
Newsprint (1 000 t)	6	-	-	10	16	7	--	-	-	-	-	14	-	38
Japan														
Softwood lumber (1 000 m^3)	--	-	-	--	--	3	1	--	--	11	11	3 937	-	3 952
Wood pulp (1 000 t)	-	-	2	170	172	28	3	-	59	22	81	994	-	1 279
Newsprint (1 000 t)	22	-	1	98	121	13	1	-	-	-	-	23	-	158
Southeast Asia														
Softwood lumber (1 000 m^3)	-	-	-	-	--	2	-	-	-	--	--	113	-	116
Wood pulp (1 000 t)	-	-	--	-	--	-	-	-	-	-	-	41	-	77
Newsprint (1 000 t)	-	-	-	5	6	29	1	-	-	-	-	-	-	-
Australia														
Softwood lumber (1 000 m^3)	-	-	-	--	--	7	2	-	-	3	3	377	-	389
Wood pulp (1 000 t)	-	-	2	1	3	3	-	-	-	--	--	88	-	94
Newsprint (1 000 t)	16	-	-	-	16	21	-	-	-	-	-	122	-	160
Other countries														
Softwood lumber (1 000 m^3)	--	--	6	1	6	22	2	--	--	1	--	142	--	171
Wood pulp (1 000 t)	--	-	3	36	41	95	3	--	7	18	23	402	-	562
Newsprint (1 000 t)	3	--	2	12	21	18	3	--	-	-	--	112	-	146
World														
Softwood lumber (1 000 m^3)	--	10	127	959	1 096	4 666	3 486	579	116	1 761	2 456	28 365	--	40 069
Wood pulp (1 000 t)	--	-	275	971	1 246	908	1 075	6	183	509	698	4 316	-	8 242
Newsprint (1 000 t)	373	--	323	579	1 275	3 501	2 069	93	-	-	93	1 544	-	8 482

[a]Excluding re-exports.
[b]See Section X.B. for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 15B. Domestic Exports[a] of Forest Products (Quantity) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1990

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
United States														
Softwood lumber (1 000 m^3)	1	--	2	722	726	3 162	4 623	516	146	1 522	2 184	17 076	--	27 795
Wood pulp (1 000 t)	-	--	246	500	746	495	1 074	-	99	387	486	1 053	-	3 854
Newsprint (1 000 t)	276	-	294	234	803	3 025	2 123	58	-	3	61	1 324	-	7 336
Central America														
Softwood lumber (1 000 m^3)	-	-	--	--	--	4	6	-	-	-	-	3	-	14
Wood pulp (1 000 t)	-	-	-	9	9	--	-	-	--	14	14	27	-	49
Newsprint (1 000 t)	27	-	-	17	43	25	--	-	-	-	-	26	-	94
South America														
Softwood lumber (1 000 m^3)	-	-	-	-	-	-	-	-	-	-	-	--	-	--
Wood pulp (1 000 t)	-	-	-	1	1	19	-	-	-	4	4	43	-	67
Newsprint (1 000 t)	59	-	15	19	94	84	-	-	-	-	-	26	-	203
Middle East and North Africa														
Softwood lumber (1 000 m^3)	-	9	8	--	16	87	36	-	-	--	--	635	-	775
Wood pulp (1 000 t)	-	-	10	-	10	2	-	-	-	--	--	10	-	22
Newsprint (1 000 t)	5	-	6	2	13	12	7	-	-	-	-	2	-	33
United Kingdom														
Softwood lumber (1 000 m^3)	-	-	177	257	434	430	157	-	-	31	31	1 761	-	2 814
Wood pulp (1 000 t)	-	-	31	123	154	51	23	-	-	5	5	87	-	319
Newsprint (1 000 t)	42	-	2	66	110	101	-	-	-	-	-	69	-	280
Other EEC countries														
Softwood lumber (1 000 m^3)	--	-	8	61	71	142	22	-	-	9	9	1 031	-	1 275
Wood pulp (1 000 t)	-	-	52	130	183	224	5	-	19	29	51	1 267	-	1 729
Newsprint (1 000 t)	86	-	12	77	175	89	--	-	-	-	-	29	-	294
Scandinavia														
Softwood lumber (1 000 m^3)	-	-	3	3	7	2	--	-	-	-	-	--	-	10
Wood pulp (1 000 t)	-	-	12	-	12	10	-	-	-	-	-	--	-	22
Newsprint (1 000 t)	-	-	-	-	-	--	--	-	-	-	-	-	-	--

III - 15B. Domestic Exports[a] of Forest Products (Quantity) by Major Commodity Group and Trade Area[b] and by Province or Region of Lading/Origin, 1990 (concluded)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
China, People's Rep.														
Softwood lumber (1 000 m^3)	-	-	-	--	--	-	-	-	-	-	-	7	-	8
Wood pulp (1 000 t)	-	-	3	-	3	2	-	-	3	-	3	185	-	192
Newsprint (1 000 t)	-	-	-	-	-	--	-	-	-	-	-	5	-	5
Japan														
Softwood lumber (1 000 m^3)	-	-	-	--	--	-	2	--	--	25	25	3 953	-	3 980
Wood pulp (1 000 t)	-	-	2	126	128	23	-	-	44	53	97	691	-	939
Newsprint (1 000 t)	19	-	-	73	92	3	--	-	-	-	-	34	-	130
Southeast Asia														
Softwood lumber (1 000 m^3)	-	-	-	--	--	-	-	--	-	-	--	1	-	1
Wood pulp (1 000 t)	-	-	-	-	-	--	-	-	-	1	1	94	-	95
Newsprint (1 000 t)	--	-	-	4	4	21	1	-	-	-	-	66	-	93
Australia														
Softwood lumber (1 000 m^3)	-	-	-	-	-	1	--	-	-	-	-	265	-	266
Wood pulp (1 000 t)	-	-	1	-	1	4	-	-	-	-	-	64	-	69
Newsprint (1 000 t)	7	-	-	-	7	8	-	-	-	-	-	81	-	97
Other countries														
Softwood lumber (1 000 m^3)	1	--	14	4	16	--	--	--	--	--	--	138	--	150
Wood pulp (1 000 t)	-	--	1	27	27	74	--	-	7	34	39	399	-	544
Newsprint (1 000 t)	20	--	7	6	33	34	3	--	-	--	--	110	-	178
World														
Softwood lumber (1 000 m^3)	2	9	212	1 047	1 270	3 828	4 846	516	146	1 587	2 249	24 870	--	37 088
Wood pulp (1 000 t)	-	--	358	916	1 274	904	1 102	-	172	527	700	3 920	-	7 901
Newsprint (1 000 t)	541	--	336	498	1 374	3 402	2 134	58	-	3	61	1 772	-	8 743

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.

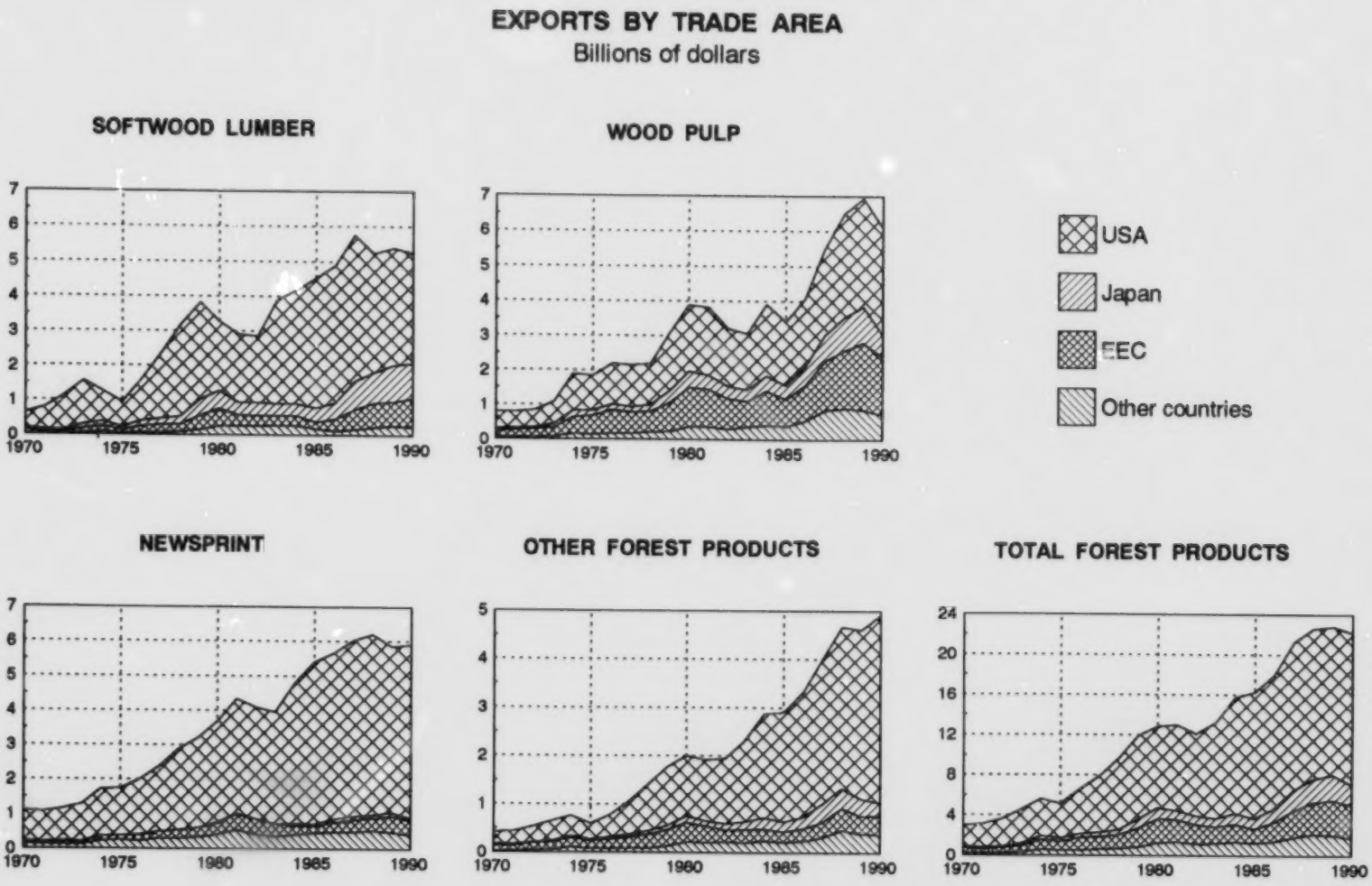

Figure 20. Exports of Canadian forest products by commodity group and principal trade area, 1970-1990.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

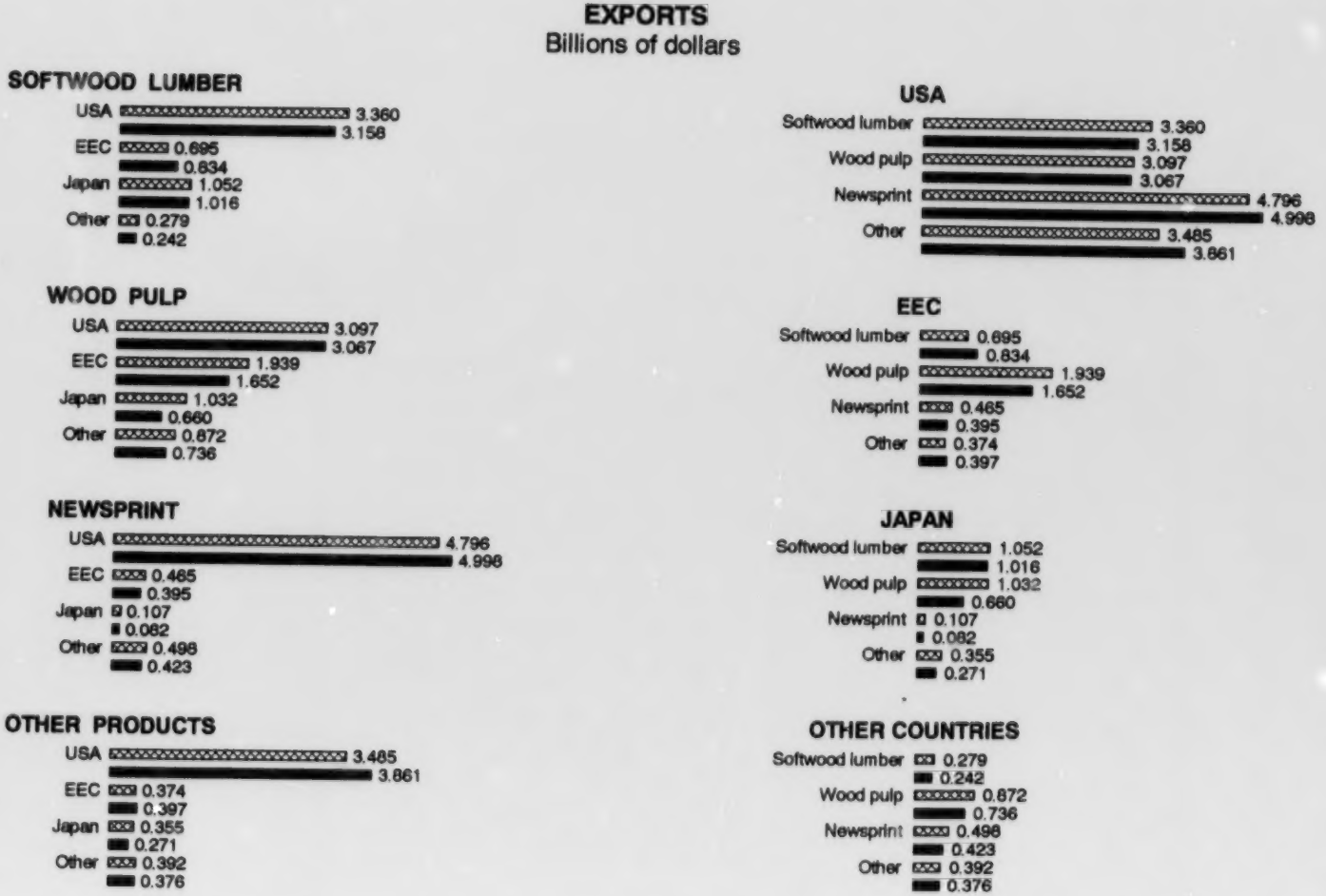

Figure 21. Exports of Canadian forest products by commodity group and principal trade area, 1989-1990.

1989 ▨ 1990 ■

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 16A. Domestic Exports[a] of Forest Products (Value) by Major Commodity Group and Trade Area[b], 1989

Trade area	Primary wood products		Wood-fabricated materials			Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	Total	
				$000				
United States	**37 847**	**153 263**	**3 360 418**	**4 486 261**	**3 097 426**	**4 795 778**	**7 000 600**	**14 737 550**
Central America	-	**539**	**18 973**	**23 964**	**28 476**	**85 085**	**158 890**	**211 870**
Mexico	-	-	37	399	23 485	6 618	13 639	37 523
South America	-	-	**205**	**632**	**55 851**	**112 012**	**138 482**	**194 965**
Brazil	-	-	147	263	18 041	38 041	41 742	60 047
Chile	-	-	2	186	20	46	1 122	1 328
Venezuela	-	-	-	45	32 676	27 360	39 103	71 824
Africa	-	-	**93 095**	**98 184**	**6 044**	**23 078**	**42 522**	**144 730**
Algeria	-	-	88 352	88 352	450	3 719	6 071	94 873
Morocco	-	-	760	761	-	3 775	5 069	5 830
Middle East - Africa	-	-	332	519	945	15 408	19 086	20 551
Europe	**11**	**10 116**	**699 348**	**897 281**	**2 073 208**	**465 426**	**651 778**	**3 632 383**
Western Europe	11	9 946	698 965	896 077	2 064 349	464 887	650 111	3 620 483
Economic Community	11	9 434	695 211	878 315	1 938 554	464 882	646 878	3 473 181
Belgium-Luxembourg	-	135	53 042	64 485	209 146	3 125	50 390	324 155
Denmark	-	54	634	2 179	-	202	300	2 533
France	-	1 896	45 930	59 212	225 227	35 892	47 929	334 264
Germany, Fed. Rep.	11	561	41 707	69 108	622 625	92 705	100 215	792 509
Greece	-	27	421	2 553	17 392	44	2 166	22 139
Ireland	-	-	16 449	21 239	15 518	9 857	10 503	47 261
Italy	-	5 784	40 801	51 294	407 410	19 102	27 838	492 326
Netherlands	-	145	11 649	20 056	116 545	22 612	27 435	164 181
Portugal	-	5	-	280	759	2 476	6 854	7 899
Spain	-	236	8 647	10 708	35 713	10 040	12 006	58 663
United Kingdom	-	591	475 931	577 200	288 220	268 828	361 242	1 227 253
Scandinavia	-	97	57	12 034	25 806	-	1 141	39 080
Finland	-	97	-	3 470	7 974	-	716	12 257
Norway	-	-	17	1 581	-	-	313	1 894
Sweden	-	-	40	6 983	17 833	-	112	24 929
Other Western Europe	-	414	3 697	5 728	99 989	5	2 091	108 223
Eastern Europe	-	171	383	1 204	8 859	539	1 667	11 900
USSR	-	**61**	-	**32**	**29 368**	-	**132**	**29 593**
Asia	**126 854**	**286 625**	**1 108 808**	**1 180 280**	**1 571 101**	**272 720**	**474 596**	**3 512 601**
China, People's Rep.	-	4 921	6 867	7 412	105 407	20 739	29 018	146 758
Hong Kong	-	715	1 647	5 097	12 639	32 879	47 516	65 967
India	-	47	43	196	49 169	10 390	11 163	60 576
Japan	126 851	267 709	1 051 666	1 093 268	1 032 189	107 197	153 284	2 546 450
Korea, Rep. of (South)	3	8 500	14 614	21 992	172 573	10 475	39 790	242 854
Middle East - Asia	-	3 013	22 070	25 705	10 722	8 890	42 553	81 993
Southeast Asia	-	632	133	2 556	99 067	44 092	101 485	203 740
Taiwan	-	1 031	11 566	23 682	88 603	38 057	44 673	157 989
Oceania	-	**35**	**105 166**	**111 560**	**78 864**	**111 458**	**140 411**	**330 871**
Australia	-	35	97 052	101 519	78 784	107 461	128 741	309 078
New Zealand	-	-	7 786	9 431	81	3 589	9 899	19 410
World	**164 711**	**450 659**	**5 386 331**	**6 797 453**	**6 940 337**	**5 865 557**	**8 609 068**	**22 797 517**

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202.

III - 16B. Domestic Exports[a] of Forest Products (Value) by Major Commodity Group and Trade Area[b], 1990

Trade area	Primary wood products: Wood chips	Primary wood products: Total	Wood-fabricated materials: Softwood lumber	Wood-fabricated materials: Total	Wood pulp	Paper products: Newsprint	Paper products: Total	Total forest products
				$000				
United States	**28 843**	**137 282**	**3 157 785**	**4 251 736**	**3 067 318**	**4 998 454**	**7 827 053**	**15 083 389**
Central America	-	**579**	**3 116**	**8 875**	**29 415**	**61 543**	**111 441**	**150 310**
Mexico	-	-	6	183	27 556	15 924	26 992	54 731
South America	-	-	**43**	**568**	**47 544**	**124 824**	**153 982**	**202 094**
Brazil	-	-	6	125	16 231	38 149	44 448	60 804
Chile	-	-	36	381	841	33	1 518	2 741
Venezuela	-	-	-	21	25 118	34 049	46 829	71 968
Africa	-	-	**87 879**	**92 297**	**991**	**6 387**	**22 264**	**115 552**
Algeria	-	-	74 380	74 380	-	12	119	74 499
Morocco	-	-	6 004	6 004	-	1 506	3 892	9 896
Middle East - Africa	-	-	7 380	7 942	-	4 835	5 191	13 133
Europe	**8**	**9 385**	**839 859**	**1 027 952**	**1 790 056**	**394 921**	**619 659**	**3 447 052**
Western Europe	8	9 385	839 859	1 026 897	1 772 395	394 905	618 940	3 427 616
Economic Community	8	9 188	834 028	1 002 580	1 651 703	394 761	614 037	3 277 508
Belgium-Luxembourg	-	21	80 700	90 948	210 599	3 187	63 211	384 779
Denmark	-	13	2 444	5 483	-	-	144	5 640
France	-	1 525	76 666	89 203	191 168	50 622	62 622	344 518
Germany, Fed. Rep.	8	425	65 537	92 313	545 016	94 794	113 087	750 840
Greece	-	-	2 920	6 724	13 076	1 855	5 126	24 926
Ireland	-	-	15 466	19 416	9 478	4 367	5 700	34 595
Italy	-	6 628	54 326	68 250	320 195	24 705	34 535	429 608
Netherlands	-	7	15 536	26 383	107 950	15 314	23 052	157 393
Portugal	-	67	-	190	282	2 747	7 514	8 054
Spain	-	78	15 826	18 712	22 903	11 986	18 043	59 735
United Kingdom	-	424	504 608	584 957	231 036	185 183	281 004	1 097 420
Scandinavia	-	81	1 414	15 374	18 622	74	1 866	35 944
Finland	-	44	855	4 657	6 203	7	159	11 062
Norway	-	29	-	2 221	-	67	1 488	3 739
Sweden	-	8	558	8 496	12 420	-	219	21 142
Other Western Europe	-	115	4 418	8 943	102 070	69	3 036	114 164
Eastern Europe	-	-	-	1 055	17 661	16	719	19 435
USSR	-	-	-	**443**	**17 993**	-	**190**	**18 625**
Asia	**113 554**	**210 028**	**1 076 933**	**1 143 180**	**1 106 769**	**246 111**	**455 164**	**2 915 141**
China, People's Rep.	-	16	1 316	1 419	133 371	3 005	19 177	153 983
Hong Kong	-	662	249	4 305	10 742	22 715	37 879	53 589
India	-	6	7	90	43 822	16 692	21 823	65 741
Japan	113 494	202 368	1 015 556	1 052 513	659 795	81 636	113 920	2 028 596
Korea, Rep. of (South)	60	3 036	10 485	15 925	124 822	12 478	35 786	179 569
Middle East - Asia	-	1 317	37 741	42 545	18 866	12 808	59 145	121 873
Southeast Asia	-	1 492	180	2 267	63 306	51 848	102 843	169 908
Taiwan	-	1 098	10 816	23 463	47 417	40 420	53 545	125 523
Oceania	-	**10**	**83 633**	**88 330**	**55 001**	**65 617**	**88 885**	**232 226**
Australia	-	10	70 810	74 247	54 852	56 810	74 711	203 820
New Zealand	-	--	12 818	13 744	149	8 523	13 006	26 900
World	**140 205**	**357 352**	**5 249 907**	**6 615 060**	**6 115 086**	**5 897 857**	**9 080 067**	**22 167 566**

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202.

III - 17A. Domestic Exports[a] of Forest Products (Quantity) by Major Commodity Group and Trade Area[b], 1989

Trade area	Primary wood products		Selected wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Waferboard	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
United States	**995 036**	**822 561**	**31 048 800**	**32 183 967**	**1 105 557**	**3 667 813**	**6 888 036**	**9 029 747**
Central America	-	-	**143 694**	**44 442**	**53**	**38 922**	**128 701**	**220 899**
Mexico	-	-	113	2 007	-	31 758	7 884	12 025
South America	-	-	**1 131**	-	-	**88 139**	**170 870**	**207 657**
Brazil	-	-	916	-	-	19 934	57 571	62 000
Chile	-	-	10	-	-	45	60	751
Venezuela	-	-	-	-	-	40 267	43 675	58 148
Africa	-	-	**562 223**	**2 137**	-	**7 290**	**38 656**	**57 834**
Algeria	-	-	527 570	-	-	651	6 177	10 163
Morocco	-	-	10 084	-	-	-	5 713	6 627
Middle East - Africa	-	-	2 047	-	-	981	24 523	27 906
Europe	**154 073**	**261**	**3 620 171**	**445 614**	**20 623**	**2 404 577**	**664 293**	**927 291**
Western Europe	153 358	261	3 617 981	445 614	20 623	2 394 814	663 492	925 440
Economic Community	152 752	261	3 607 401	427 766	19 723	2 251 835	663 487	922 110
Belgium-Luxembourg	161	-	206 186	27 849	537	235 317	3 258	102 271
Denmark	-	-	2 836	-	-	-	315	318
France	7 744	-	258 325	89 606	287	253 722	42 685	52 483
Germany, Fed. Rep.	3 378	261	91 842	176 704	202	714 660	134 247	142 947
Greece	63	-	1 281	-	-	21 052	68	220
Ireland	-	-	93 846	-	172	16 705	12 072	12 287
Italy	134 396	-	100 106	9 426	510	468 489	27 854	35 425
Netherlands	1 086	-	58 513	22 529	3 506	131 728	28 897	34 892
Portugal	-	-	-	-	-	794	3 351	8 963
Spain	426	-	40 593	-	-	41 467	14 737	16 497
United Kingdom	5 498	-	2 753 873	101 652	14 509	367 902	396 003	515 817
Scandinavia	314	-	336	-	686	29 272	-	914
Finland	314	-	-	-	-	8 850	-	795
Norway	-	-	100	-	583	-	-	119
Sweden	-	-	236	-	103	20 422	-	0
Other Western Europe	292	-	10 244	17 848	214	113 708	5	2 416
Eastern Europe	715	-	2 190	-	-	9 763	801	1 851
USSR	**145**	-	-	-	-	**29 953**	-	**1**
Asia	**1 476 923**	**1 068 667**	**4 282 984**	**82 080**	**8 744**	**1 933 835**	**426 740**	**682 409**
China, People's Rep.	84 461	-	51 965	-	-	122 512	37 823	52 825
Hong Kong	-	-	15 775	-	-	14 395	49 608	63 142
India	77	-	290	-	-	71 937	15 978	16 110
Japan	1 190 160	1 068 651	3 952 169	59 471	7 377	1 278 809	158 004	223 362
Korea, Rep. (South)	136 672	16	41 557	16 915	25	203 680	16 724	52 277
Middle East - Asia	58 837	-	163 344	929	1 342	12 455	14 516	58 033
Southeast Asia	3 356	-	477	3 427	-	115 528	76 627	145 048
Taiwan	3 260	-	56 492	1 338	-	113 652	57 460	64 898
Oceania	**52**	-	**407 840**	**206 120**	-	**93 967**	**167 201**	**177 865**
Australia	52	-	388 922	65 149	-	93 874	159 947	167 845
New Zealand	-	-	17 269	115 255	-	93	6 650	7 732
World	**2 626 229**	**1 891 489**	**40 068 988**	**32 968 221**	**1 134 997**	**8 242 496**	**8 482 497**	**11 304 186**

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202.

III - 17B. Domestic Exports[a] of Forest Products (Quantity) by Major Commodity Group and Trade Area[b], 1990

Trade area	Primary wood products		Selected wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Waferboard	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
United States	**105 902**	**646 797**	**27 795 428**	**32 773 097**	**1 140 637**	**3 853 907**	**7 335 882**	**9 906 440**
Central America	-	-	**13 920**	**31 263**	**61**	**49 481**	**94 169**	**143 727**
Mexico	-	-	4	-	-	44 186	20 066	25 140
South America	-	-	**107**	-	-	**67 036**	**203 495**	**246 287**
Brazil	-	-	14	-	-	18 779	65 423	71 628
Chile	-	-	93	-	-	971	59	761
Venezuela	-	-	-	-	-	39 219	54 784	73 328
Africa	-	-	**491 364**	**2 759**	-	**1 255**	**10 309**	**33 100**
Algeria	-	-	402 162	-	-	-	14	78
Morocco	-	-	44 832	-	-	-	1 989	6 080
Middle East - Africa	-	-	43 888	-	-	-	8 252	9 034
Europe	**157 779**	**17**	**4 113 953**	**442 565**	**36 252**	**2 219 416**	**573 966**	**855 420**
Western Europe	157 779	17	4 113 953	440 930	36 252	2 193 877	573 946	855 331
Economic Community	157 512	17	4 088 221	429 587	36 071	2 048 881	573 751	852 344
Belgium-Luxembourg	-	-	332 575	10 724	908	243 381	3 676	118 733
Denmark	-	-	8 929	-	81	-	-	-
France	9 122	-	389 030	66 650	580	230 676	64 775	74 998
Germany, Fed. Rep.	932	17	150 843	172 471	278	659 380	137 420	150 017
Greece	-	-	13 745	-	39	19 653	3 287	5 430
Ireland	-	-	77 246	17 861	1 160	9 376	5 970	6 536
Italy	146 634	-	144 523	14 160	1 037	395 774	36 536	42 997
Netherlands	24	-	82 438	6 587	13 871	139 902	19 776	28 272
Portugal	75	-	-	-	-	344	4 768	10 534
Spain	211	-	75 293	-	-	30 939	17 484	23 141
United Kingdom	514	-	2 813 599	141 134	18 117	319 456	280 059	391 688
Scandinavia	159	-	9 647	334	70	22 311	86	889
Finland	88	-	7 265	-	-	7 396	7	107
Norway	-	-	-	-	70	-	79	767
Sweden	71	-	2 382	334	-	14 914	-	15
Other Western Europe	108	-	16 085	11 009	111	122 686	109	2 097
Eastern Europe	-	-	-	1 635	-	25 539	20	89
USSR	-	-	-	-	-	19 247	-	16
Asia	**781 795**	**922 029**	**4 375 516**	**77 999**	**9 802**	**1 621 631**	**411 697**	**715 527**
China, People's Rep.	-	-	7 559	-	-	192 361	5 227	39 821
Hong Kong	-	-	2 844	-	-	14 052	36 202	54 114
India	18	-	62	-	-	85 675	29 056	36 875
Japan	717 977	921 701	3 980 191	47 163	8 503	938 842	129 524	183 266
Korea, Rep. (South)	30 858	328	29 201	26 116	994	190 242	21 078	47 741
Middle East - Asia	8 978	-	284 498	-	9	21 981	23 231	89 599
Southeast Asia	20 504	-	722	2 091	-	95 075	92 655	162 908
Taiwan	3 460	-	68 024	2 629	296	77 172	65 817	82 486
Oceania	-	-	**293 679**	**129 528**	**51**	**68 920**	**113 263**	**119 643**
Australia	-	-	265 602	51 770	11	68 711	96 753	101 774
New Zealand	-	-	27 913	50 408	40	209	16 076	16 741
World	**1 045 476**	**1 568 843**	**37 088 314**	**33 462 452**	**1 186 829**	**7 900 894**	**8 742 781**	**12 020 163**

[a] Excluding re-exports.
[b] See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202.

III - 18A. Imports of Forest Products (Value) by Major Commodity Group and Trade Area*, 1989

Trade area	Primary wood products		Wood-fabricated materials			Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	Total	
				$000				
United States	**7 966**	**230 397**	**219 612**	**887 271**	**166 358**	**5 841**	**1 515 375**	**2 799 401**
Central America	-	**43**	**64**	**996**	-	-	**5 532**	**6 571**
Mexico	-	38	-	566	-	-	5 431	6 035
South America	-	**358**	**724**	**20 242**	**6 698**	-	**18 459**	**45 757**
Brazil	-	348	209	17 032	6 698	-	14 932	39 011
Chile	-	-	515	1 186	-	-	5	1 191
Venezuela	-	-	-	-	-	-	-	-
Africa	-	-	-	**965**	-	-	**15**	**981**
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	1	-	-	-	1
Middle East - Africa	-	-	-	1	-	-	1	1
Europe	**16**	**1 397**	**159**	**36 312**	**759**	**127**	**319 493**	**357 960**
Western Europe	16	1 397	159	35 577	759	127	318 932	356 665
Economic Community	16	822	73	30 728	74	127	216 116	247 740
Belgium-Luxembourg	-	-	-	259	-	-	5 343	5 603
Denmark	-	-	-	2 207	-	-	2 941	5 148
France	-	2	22	1 775	3	-	47 364	49 144
Germany, Fed. Rep.	16	21	51	5 212	71	-	62 500	67 805
Greece	-	1	-	7	-	-	3	10
Ireland	-	-	-	46	-	-	11	56
Italy	-	126	-	8 959	-	-	14 852	23 938
Netherlands	-	164	-	215	-	127	17 384	17 763
Portugal	-	380	-	7 665	-	-	164	8 209
Spain	-	-	-	1 105	-	-	3 428	4 533
United Kingdom	-	127	-	3 279	-	-	62 127	65 533
Scandinavia	-	575	54	3 345	686	-	87 953	92 558
Finland	-	575	-	1 507	622	-	69 722	72 426
Norway	-	-	-	65	-	-	1 321	1 386
Sweden	-	-	54	1 773	64	-	16 911	18 747
Other Western Europe	-	-	32	1 504	-	-	14 862	16 367
Eastern Europe	-	-	-	735	-	-	561	1 296
USSR	-	**5**	-	**400**	-	-	**40**	**445**
Asia	**7**	**284**	**98**	**108 940**	**37**	-	**74 715**	**183 975**
China, People's Rep.	-	35	-	3 635	-	-	4 780	8 450
Hong Kong	-	5	-	1 491	-	-	3 977	5 473
India	-	29	-	2 414	-	-	83	2 526
Japan	-	-	3	1 017	-	-	42 804	43 821
Korea, Rep. of (South)	-	-	-	2 030	-	-	13 015	15 045
Middle East - Asia	-	-	-	75	-	-	19	94
Southeast Asia	-	108	62	59 307	-	-	1 276	60 691
Taiwan	7	61	32	38 245	37	-	8 761	47 102
Oceania	-	-	17	**660**	199	-	1 264	2 122
Australia	-	-	1	325	-	-	475	800
New Zealand	-	-	16	325	199	-	789	1 313
World	**7 990**	**232 485**	**220 845**	**1 056 324**	**174 114**	**5 995**	**1 935 724**	**3 398 649**

*See Section X.B. for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 18B. Imports of Forest Products (Value) by Major Commodity Group and Trade Area[a], 1990

Trade area	Primary wood products		Wood-fabricated materials			Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	Total	
				$000				
United States	10 738	239 983	191 165	831 992	194 737	13 169	1 648 184	2 914 875
Central America	-	71	172	1 290	-	-	6 275	7 636
Mexico	-	69	72	639	-	-	6 232	6 940
South America	-	105	1 389	15 400	8 971	-	11 535	36 011
Brazil	-	77	168	10 480	8 971	-	8 607	28 135
Chile	-	5	1 221	3 318	-	-	1	3 324
Venezuela	-	-	-	-	-	-	-	-
Africa	-	2	-	1 299	-	-	28	1 328
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	1	-	-	-	1
Middle East - Africa	-	-	-	2	-	-	-	2
Europe	14	1 616	74	40 251	2 734	422	298 355	340 957
Western Europe	14	1 616	74	39 641	2 734	422	295 901	339 893
Economic Community	14	785	74	32 370	109	214	210 666	243 930
Belgium-Luxembourg	-	-	-	214	-	-	5 951	6 165
Denmark	-	-	-	1 422	-	-	2 981	4 403
France	-	41	-	1 447	2	-	45 472	48 962
Germany, Fed. Rep.	14	27	74	6 215	107	-	60 530	66 879
Greece	-	1	-	6	-	-	2	10
Ireland	-	-	-	76	-	-	220	296
Italy	-	-	-	10 419	-	-	15 660	26 080
Netherlands	-	138	-	383	-	60	15 985	16 486
Portugal	-	520	-	6 930	-	-	192	7 642
Spain	-	-	-	1 137	-	-	3 280	4 417
United Kingdom	-	57	-	4 142	-	154	60 392	64 592
Scandinavia	-	791	-	5 769	2 625	207	67 603	76 788
Finland	-	791	-	1 601	44	166	47 870	50 307
Norway	-	-	-	115	-	-	1 183	1 299
Sweden	-	-	-	4 052	2 581	41	18 549	25 182
Other Western Europe	-	40	-	1 502	-	-	17 632	19 174
Eastern Europe	-	-	-	610	-	-	454	1 064
USSR	-	-	-	1 620	-	-	5	1 625
Asia	16	248	121	94 271	80	-	65 915	160 515
China, People's Rep.	-	21	-	4 561	-	-	5 621	10 203
Hong Kong	-	5	-	1 268	-	-	4 196	5 469
India	-	24	6	1 861	-	-	198	2 083
Japan	-	-	30	957	-	-	33 043	34 001
Korea, Rep. of (South)	-	-	-	784	-	-	10 870	11 653
Middle East - Asia	-	-	-	101	-	-	74	175
Southeast Asia	-	121	85	55 521	-	-	1 602	57 244
Taiwan	16	59	-	29 002	80	-	10 308	39 448
Oceania	-	-	30	825	-	-	776	1 600
Australia	-	-	-	111	-	-	553	664
New Zealand	-	-	30	713	-	-	222	936
World	10 768	242 057	193 102	987 439	207 274	13 633	2 030 010	3 466 780

[a]See Section X.B. for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 19A. Imports of Forest Products (Quantity) by Major Commodity Group and Trade Area[a], 1989

Trade area	Primary wood products		Selected wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Waferboard	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
United States	**4 499 307**	**145 880**	**1 031 582**	-	**13 684**	**175 742**	**8 525**	**765 584**
Central America	-	-	**300**	-	-	-	-	**3 805**
Mexico	-	-	-	-	-	-	-	**3 795**
South America	**2 711**	-	**2 670**	-	-	**7 585**	-	**7 280**
Brazil	2 558	-	761	-	-	7 565	-	7 185
Chile	-	-	1 909	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-
Africa	-	-	-	-	-	-	-	**6**
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	**60**	**221**	**373**	-	**13**	**767**	**172**	**167 983**
Western Europe	60	221	373	-	13	767	172	167 871
Economic Community	60	221	222	-	13	31	172	88 030
Belgium-Luxembourg	-	-	-	-	-	-	-	1 823
Denmark	-	-	-	-	-	-	-	59
France	-	-	113	-	-	2	-	25 749
Germany, Fed. Rep.	-	221	109	-	13	29	-	25 673
Greece	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	6 696
Netherlands	60	-	-	-	-	-	172	7 669
Portugal	-	-	-	-	-	-	-	43
Spain	-	-	-	-	-	-	-	1 767
United Kingdom	-	-	-	-	-	-	-	18 750
Scandinavia	-	-	105	-	-	736	-	71 268
Finland	-	-	-	-	-	659	-	63 108
Norway	-	-	-	-	-	-	-	542
Sweden	-	-	105	-	-	77	-	7 619
Other Western Europe	-	-	45	-	-	-	-	8 373
Eastern Europe	-	-	-	-	-	-	-	312
USSR	**119**	-	-	-	-	-	-	-
Asia	**450**	**166**	**347**	-	-	**11**	-	**17 160**
China, People's Rep.	-	-	-	-	-	-	-	233
Hong Kong	-	-	-	-	-	-	-	35
India	40	-	-	-	-	-	-	-
Japan	-	-	18	-	-	-	-	9 811
Korea, Rep. of (South)	-	-	-	-	-	-	-	6 242
Middle East - Asia	-	-	-	-	-	-	-	-
Southeast Asia	170	-	184	-	-	-	-	-
Taiwan	100	166	142	-	-	11	-	838
Oceania	-	-	**33**	-	-	**30**	-	**302**
Australia	-	-	6	-	-	-	-	254
New Zealand	-	-	27	-	-	30	-	48
World	**4 502 647**	**146 267**	**1 036 030**	-	**13 709**	**184 203**	**8 732**	**962 437**

[a]See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 198. Imports of Forest Products (Quantity) by Major Commodity Group and Trade Area[a], 1990

	Primary wood products		Selected wood-fabricated materials				Paper products	
Trade area	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Waferboard	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
United States	**4 212 740**	**187 314**	**990 328**	-	**18 009**	**233 812**	**19 804**	**831 199**
Central America	**83**	-	**633**	-	-	-	-	**4 042**
Mexico	-	-	125	-	-	-	-	4 042
South America	**1 083**	-	**5 190**	-	-	**13 698**	-	**5 424**
Brazil	514	-	666	-	-	13 698	-	4 954
Chile	29	-	4 524	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-
Africa	**2**	-	-	-	-	-	-	**12**
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	**60**	**187**	**283**	-	**24**	**4 411**	**563**	**156 515**
Western Europe	60	187	283	-	24	4 411	563	156 508
Economic Community	60	187	283	-	24	52	322	93 465
Belgium-Luxembourg	-	-	-	-	-	-	-	2 164
Denmark	-	-	-	-	-	-	-	653
France	-	-	-	-	-	1	-	25 095
Germany, Fed. Rep.	11	187	283	-	24	51	-	27 598
Greece	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	57
Italy	-	-	-	-	-	-	-	7 130
Netherlands	50	-	-	-	-	-	85	6 874
Portugal	-	-	-	-	-	-	-	55
Spain	-	-	-	-	-	-	-	2 093
United Kingdom	-	-	-	-	-	-	237	21 945
Scandinavia	-	-	-	-	-	4 359	242	54 229
Finland	-	-	-	-	-	60	194	42 893
Norway	-	-	-	-	-	-	-	497
Sweden	-	-	-	-	-	4 299	47	10 839
Other Western Europe	-	-	-	-	-	-	-	8 815
Eastern Europe	-	-	-	-	-	-	-	7
USSR	-	-	-	-	-	-	-	-
Asia	**258**	**234**	**456**	-	-	**54**	-	**14 565**
China, People's Rep.	-	-	-	-	-	-	-	212
Hong Kong	-	-	-	-	-	-	-	138
India	33	-	28	-	-	-	-	-
Japan	-	-	244	-	-	-	-	8 113
Korea, Rep. of (South)	-	-	-	-	-	-	-	4 312
Middle East - Asia	-	-	-	-	-	-	-	-
Southeast Asia	159	-	184	-	-	-	-	4
Taiwan	-	234	-	-	-	54	-	1 786
Oceania	-	-	**114**	-	-	-	-	**221**
Australia	-	-	-	-	-	-	-	154
New Zealand	-	-	114	-	-	-	-	68
World	**4 214 848**	**187 735**	**997 799**	-	**18 041**	**252 947**	**20 420**	**1 012 229**

[a]See Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 20A. Balance of Trade of Forest Products (Value)[a] by Major Commodity Group and Trade Area[b], 1989

Trade area	Primary wood products: Wood chips	Primary wood products: Total	Wood-fabricated materials: Softwood lumber	Wood-fabricated materials: Total	Wood pulp	Paper products: Newsprint	Paper products: Total	Total forest products
					$000			
United States	**30 152**	**-76 754**	**3 142 143**	**3 607 363**	**2 931 527**	**4 789 937**	**5 500 884**	**11 963 019**
Central America	**-**	**496**	**19 037**	**23 287**	**28 476**	**85 085**	**153 404**	**206 664**
Mexico	-	-38	37	-141	23 485	6 618	8 213	31 518
South America	**-**	**-358**	**-518**	**-19 607**	**49 153**	**112 012**	**120 052**	**149 239**
Brazil	-	-348	-62	-16 769	11 343	38 041	26 810	21 036
Chile	-	-	-513	-998	20	46	1 116	140
Venezuela	-	-	-	46	32 676	27 360	39 124	71 846
Africa	**-**	**-**	**93 096**	**96 682**	**6 044**	**23 078**	**42 519**	**144 244**
Algeria	-	-	88 352	88 352	450	3 719	6 071	94 873
Morocco	-	-	760	760	-	3 775	5 069	5 829
Middle East - Africa	-	-	332	518	945	15 408	19 088	20 551
Europe	**-5**	**10 772**	**699 994**	**929 940**	**2 072 448**	**465 301**	**332 772**	**3 345 932**
Western Europe	-5	10 601	699 611	929 470	2 063 590	464 762	331 666	3 335 327
Economic Community	-5	10 655	695 915	910 539	1 938 480	464 757	431 149	3 290 824
Belgium-Luxembourg	-	213	53 042	71 675	209 146	3 125	45 056	326 090
Denmark	-	54	634	681	-	202	-2 641	-1 906
France	-	3 205	45 996	65 715	225 224	35 892	691	294 836
Germany, Fed. Rep.	-5	891	41 692	75 780	622 554	92 708	37 773	736 998
Greece	-	26	421	3 765	17 392	44	2 163	23 347
Ireland	-	-	16 449	21 809	15 518	9 857	10 492	47 819
Italy	-	5 898	40 882	48 995	407 410	19 102	13 001	475 304
Netherlands	-	-6	11 649	31 867	116 545	22 484	10 057	158 462
Portugal	-	-375	-	-7 240	759	2 476	6 690	-165
Spain	-	239	8 647	10 793	35 713	10 040	8 578	55 322
United Kingdom	-	511	476 502	586 701	288 220	268 828	299 287	1 174 718
Scandinavia	-	-477	31	14 628	25 121	-	-86 723	-47 451
Finland	-	-477	28	3 504	7 352	-	-69 006	-58 627
Norway	-	-	17	1 906	-	-	-919	988
Sweden	-	-	-14	9 218	17 769	-	-16 798	10 188
Other Western Europe	-	422	3 665	4 303	99 989	5	-12 760	91 954
Eastern Europe	-	171	383	469	8 859	539	1 106	10 605
USSR	**-**	**57**	**-**	**-368**	**29 368**	**-**	**91**	**29 148**
Asia	**127 078**	**289 536**	**1 110 414**	**1 078 001**	**1 571 064**	**272 720**	**400 012**	**3 338 613**
China, People's Rep.	-	4 887	6 867	3 777	105 407	20 739	24 238	138 308
Hong Kong	-	709	1 668	3 658	12 639	32 879	43 545	60 552
India	-	18	43	-2 218	49 169	10 390	11 080	58 050
Japan	127 083	270 029	1 052 128	1 097 018	1 032 189	107 197	110 566	2 509 801
Korea, Rep. of (South)	3	8 978	14 614	20 186	172 573	10 475	26 775	228 511
Middle East - Asia	-	3 013	23 245	26 904	10 722	8 890	42 552	83 190
Southeast Asia	-	860	115	-56 635	99 067	44 092	100 226	143 518
Taiwan	-7	1 031	11 535	-14 335	88 568	38 057	35 917	111 179
Oceania	**-**	**35**	**105 321**	**111 116**	**78 665**	**111 458**	**139 372**	**329 188**
Australia	-	35	97 202	101 385	78 784	107 461	128 483	308 686
New Zealand	-	-	7 770	9 109	-118	3 589	9 117	18 107
World	**157 225**	**223 800**	**5 169 631**	**5 826 152**	**6 766 681**	**5 859 565**	**6 689 932**	**19 506 565**

[a] The - sign means deficit.
[b] See Section X.B. for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 208. Balance of Trade of Forest Products (Value)[a] by Major Commodity Group and Trade Area[b], 1990

Trade area	Primary wood products: Wood chips	Primary wood products: Total	Wood-fabricated materials: Softwood lumber	Wood-fabricated materials: Total	Wood pulp	Paper products: Newsprint	Paper products: Total	Total forest products
				$000				
United States	15 905	-102 206	2 966 703	3 430 688	2 873 726	4 985 889	5 999 705	12 201 913
Central America	-	508	3 012	7 882	29 415	81 543	105 407	143 193
Mexico	-	-69	-66	-455	27 558	15 924	20 764	47 796
South America	-	-105	-1 346	-14 796	38 573	124 890	142 584	166 256
Brazil	-	-77	-162	-10 355	7 260	38 149	35 841	32 669
Chile	-	-5	-1 185	-2 936	841	33	1 517	-583
Venezuela	-	-	-	21	25 118	34 049	46 829	71 968
Africa	-	-2	87 879	91 949	991	6 387	22 236	115 174
Algeria	-	-	74 380	74 380	-	12	119	74 499
Morocco	-	-	6 004	6 003	-	1 506	3 892	9 896
Middle East - Africa	-	-	7 380	7 940	-	4 835	5 191	13 132
Europe	-6	11 310	842 315	1 076 699	1 787 321	394 537	324 579	3 199 909
Western Europe	-6	11 310	842 315	1 076 122	1 769 660	394 521	324 296	3 181 387
Economic Community	-6	11 850	836 476	1 052 427	1 651 594	394 585	404 575	3 120 448
Belgium-Luxembourg	-	133	80 755	98 381	210 599	3 187	57 339	386 451
Denmark	-	13	2 472	5 056	-	-	-2 837	2 231
France	-	3 538	76 878	102 863	191 165	50 622	17 440	315 007
Germany, Fed. Rep.	-6	554	65 493	101 061	544 909	94 794	52 751	699 275
Greece	-	-1	2 920	8 608	13 078	1 855	5 240	28 922
Ireland	-	-	15 466	19 803	9 478	4 387	5 481	34 761
Italy	-	7 504	54 473	66 216	320 195	24 705	18 942	412 867
Netherlands	-	-53	15 557	39 046	107 950	15 292	7 135	154 078
Portugal	-	-443	-	-6 190	282	2 747	7 322	972
Spain	-	196	15 826	21 794	22 903	11 986	14 958	59 849
United Kingdom	-	409	506 635	595 790	231 036	185 029	220 806	1 048 042
Scandinavia	-	-710	1 422	15 169	15 997	-133	-65 690	-36 234
Finland	-	-747	855	4 402	6 158	-159	-47 712	-37 899
Norway	-	29	3	2 761	-	67	305	3 095
Sweden	-	8	563	8 007	9 839	-41	-18 283	-431
Other Western Europe	-	169	4 418	8 526	102 070	69	-14 589	98 175
Eastern Europe	-	-	-	577	17 661	16	283	18 522
USSR	-	-	-	-1 178	17 993	-	185	17 000
Asia	113 538	212 138	1 079 636	1 057 013	1 106 688	246 111	389 456	2 765 295
China, People's Rep.	-	-5	1 316	-3 138	133 371	3 005	13 556	143 784
Hong Kong	-	662	249	3 049	10 742	22 715	33 706	48 157
India	-	10	2	-1 753	43 822	16 692	21 624	63 703
Japan	113 494	203 150	1 016 315	1 055 887	659 795	81 636	80 939	1 999 771
Korea, Rep. of (South)	60	3 666	10 485	15 605	124 822	12 478	24 945	169 039
Middle East - Asia	-	1 317	39 763	44 788	18 866	12 808	59 104	124 075
Southeast Asia	-	2 137	95	-52 646	63 306	51 848	101 288	114 085
Taiwan	-16	1 186	10 816	-5 253	47 336	40 420	43 252	86 521
Oceania	-	10	83 656	87 843	55 368	65 617	88 206	231 428
Australia	-	10	70 864	74 461	55 219	56 810	74 215	203 904
New Zealand	-	--	12 788	13 044	149	8 523	12 824	28 018
World	129 438	121 668	5 062 363	5 737 273	5 909 325	5 884 932	7 072 858	18 841 123

[a] The - sign means deficit.
[b] See Section X.B. for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 21A. Balance of Trade of Forest Products (Quantity)[a] by Major Commodity Group and Trade Area[b], 1989

Trade area	Primary wood products		Selected wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Waferboard	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
United States	**-3 504 225**	**678 943**	**30 024 434**	**32 187 877**	**1 091 921**	**3 492 512**	**6 879 511**	**8 269 358**
Central America	-	-	**143 516**	**44 442**	**53**	**38 922**	**128 701**	**217 094**
Mexico	-	-	113	2 007	-	31 758	7 884	8 230
South America	**-2 711**	-	**-1 539**	-	-	**58 574**	**170 870**	**200 430**
Brazil	-2 558	-	155	-	-	12 368	57 571	54 815
Chile	-	-	-1 899	-	-	45	60	752
Venezuela	-	-	-	-	-	40 267	43 675	58 166
Africa	-	-	**562 223**	**2 137**	-	**7 290**	**36 656**	**57 828**
Algeria	-	-	527 570	-	-	651	6 177	10 163
Morocco	-	-	10 084	-	-	-	5 713	6 627
Middle East - Africa	-	-	2 047	-	-	981	24 523	27 906
Europe	**160 789**	**40**	**3 623 147**	**445 614**	**20 833**	**2 403 810**	**664 122**	**759 477**
Western Europe	160 074	40	3 620 957	445 614	20 833	2 394 047	663 321	757 938
Economic Community	159 450	40	3 610 495	427 766	19 933	2 251 804	663 316	834 249
Belgium-Luxembourg	353	-	206 186	27 849	537	235 317	3 258	100 648
Denmark	-	-	2 836	-	-	-	315	259
France	12 088	-	258 312	89 606	414	253 720	42 685	26 779
Germany, Fed. Rep.	4 603	40	91 783	176 704	189	714 630	134 248	117 306
Greece	63	-	1 281	-	-	21 052	68	220
Ireland	-	-	93 846	-	172	16 705	12 072	12 287
Italy	135 099	-	100 446	9 426	510	468 489	27 854	28 730
Netherlands	1 080	-	58 513	22 529	3 506	131 728	28 725	27 223
Portugal	-	-	-	-	-	794	3 351	8 910
Spain	462	-	40 593	-	-	41 467	14 737	14 730
United Kingdom	5 761	-	2 756 699	101 652	14 605	367 902	396 003	497 156
Scandinavia	314	-	264	-	686	28 536	-	-70 354
Finland	314	-	33	-	-	8 191	-	-62 313
Norway	-	-	100	-	583	-	-	-423
Sweden	-	-	131	-	103	20 345	-	-7 619
Other Western Europe	310	-	10 199	17 848	214	113 708	5	-5 957
Eastern Europe	715	-	2 190	-	-	9 763	801	1 539
USSR	**26**	-	-	-	-	**29 953**	-	1
Asia	**1 483 644**	**1 070 697**	**4 289 792**	**82 080**	**8 636**	**1 933 824**	**426 740**	**685 255**
China, People's Rep.	84 461	-	51 965	-	-	122 512	37 823	52 592
Hong Kong	-	-	15 815	-	-	14 395	49 608	63 107
India	37	-	290	-	-	71 937	15 978	16 110
Japan	1 192 149	1 070 847	3 953 345	59 471	7 469	1 278 809	158 004	213 546
Korea, Rep. of (South)	141 480	16	41 557	16 915	25	203 680	16 724	46 035
Middle East - Asia	58 837	-	169 121	929	1 342	12 455	14 516	58 033
Southeast Asia	3 874	-	437	3 427	-	115 528	76 627	145 048
Taiwan	3 196	-166	56 350	1 338	-	113 642	57 460	64 060
Oceania	**52**	-	**408 766**	**206 120**	-	**93 936**	**167 201**	**177 434**
Australia	52	-	390 028	65 149	-	93 874	159 947	167 657
New Zealand	-	-	17 242	115 255	-	62	6 650	7 890
World	**-1 861 916**	**1 749 680**	**39 051 959**	**32 972 131**	**1 121 651**	**8 058 733**	**8 473 766**	**10 347 221**

[a] The - sign means deficit.

[b] See Section X.B. for details on groupings of trade areas used in the table.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 21B. Balance of Trade of Forest Products (Quantity)[a] by Major Commodity Group and Trade Area[b], 1990

Trade area	Primary wood products		Selected wood-fabricated materials				Paper products	
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Waferboard	Wood pulp	Newsprint	Total
	m^3	t	m^3	m^2	m^3	t	t	t
United States	**-4 106 298**	**459 483**	**26 805 825**	**32 773 097**	**1 122 628**	**3 622 205**	**7 316 905**	**9 079 966**
Central America	**-83**	**-**	**13 579**	**31 263**	**61**	**49 481**	**94 169**	**140 017**
Mexico	-	-	-121	-	-	44 186	20 066	21 100
South America	**-1 083**	**-**	**-5 083**	**-**	**-**	**53 338**	**203 583**	**240 950**
Brazil	-514	-	-652	-	-	5 081	65 423	66 674
Chile	-29	-	-4 431	-	-	971	59	761
Venezuela	-	-	-	-	-	39 219	54 784	73 328
Africa	**-2**	**-**	**491 364**	**2 759**	**-**	**1 255**	**10 309**	**33 068**
Algeria	-	-	402 162	-	-	-	14	78
Morocco	-	-	44 832	-	-	-	1 989	6 060
Middle East - Africa	-	-	43 888	-	-	-	8 252	9 034
Europe	**168 197**	**-170**	**4 126 579**	**448 142**	**37 507**	**2 215 005**	**573 468**	**699 296**
Western Europe	168 197	-170	4 126 579	446 507	37 507	2 189 466	573 448	699 214
Economic Community	167 713	-170	4 100 832	435 164	37 326	2 048 829	573 494	759 255
Belgium-Luxembourg	429	-	332 736	10 724	1 307	243 381	3 676	116 579
Denmark	-	-	9 110	-	113	-	-	-653
France	15 807	-	389 966	66 650	802	230 674	64 775	50 026
Germany, Fed. Rep.	1 319	-170	150 675	172 471	254	659 330	137 420	122 429
Greece	-	-	13 745	-	39	19 653	3 287	5 430
Ireland	-	-	77 246	17 861	1 160	9 376	5 970	6 478
Italy	148 905	-	145 677	19 737	1 158	395 774	36 536	35 868
Netherlands	218	-	82 490	6 587	13 871	139 902	19 756	21 704
Portugal	75	-	-	-	-	344	4 768	10 479
Spain	447	-	75 293	-	-	30 939	17 484	21 129
United Kingdom	573	-	2 823 894	141 134	18 622	319 456	279 822	369 786
Scandinavia	159	-	9 662	334	70	17 951	-156	-53 324
Finland	88	-	7 265	-	-	7 336	-187	-42 786
Norway	-	-	8	-	70	-	79	270
Sweden	71	-	2 389	334	-	10 615	-47	-10 809
Other Western Europe	325	-	16 085	11 009	111	122 686	109	-6 717
Eastern Europe	-	-	-	1 635	-	25 539	20	82
USSR	**-**	**-**	**-**	**-**	**-**	**19 247**	**-**	**16**
Asia	**792 245**	**921 795**	**4 392 386**	**78 994**	**9 802**	**1 621 577**	**411 697**	**701 038**
China, People's Rep.	-	-	7 559	-	-	192 361	5 227	39 609
Hong Kong	-	-	2 844	-	-	14 052	36 202	53 989
India	71	-	34	-	-	85 675	29 056	36 875
Japan	721 645	921 701	3 982 196	48 158	8 503	938 842	129 524	175 166
Korea, Rep. of (South)	35 375	328	29 201	26 116	994	190 242	21 078	43 429
Middle East - Asia	8 978	-	299 553	-	9	21 981	23 231	89 649
Southeast Asia	22 448	-	538	2 091	-	95 075	92 655	162 904
Taiwan	4 048	-234	68 024	2 629	296	77 119	65 817	80 700
Oceania	**-**	**-**	**293 752**	**132 145**	**51**	**69 418**	**113 283**	**119 479**
Australia	-	-	265 789	51 770	11	69 210	96 753	101 656
New Zealand	-	-	27 799	53 025	40	209	16 076	16 694
World	**-3 147 330**	**1 381 108**	**36 121 964**	**33 471 641**	**1 170 067**	**7 650 555**	**8 723 341**	**11 013 623**

[a]The - sign means deficit.
[b]See Section X.B. for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

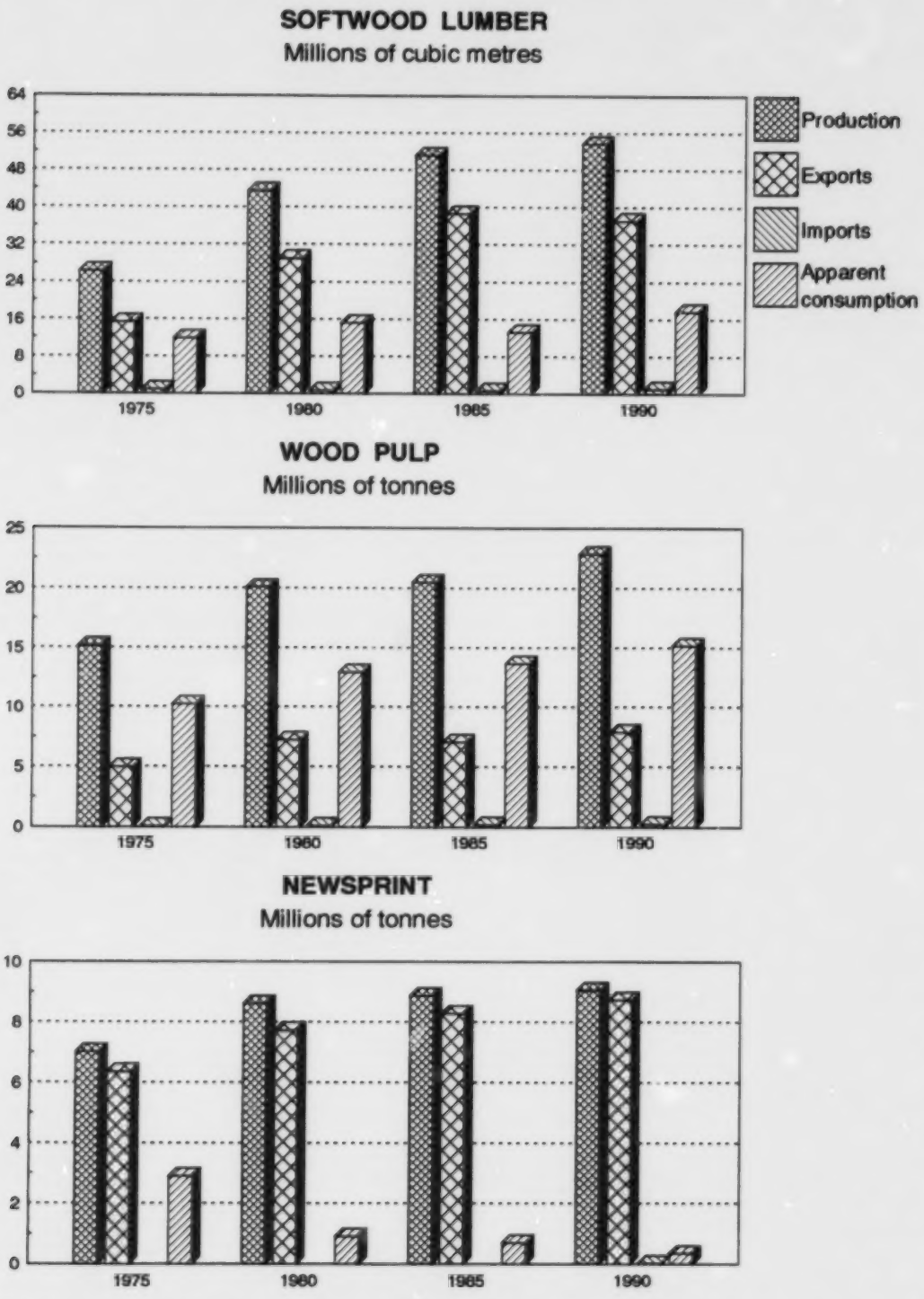

Figure 22. Production, trade and apparent domestic consumption of selected forest products, 1975-1990.

Source: Statistics Canada, Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203, and Canadian Pulp and Paper Association.

SECTION IV

PRINCIPAL STATISTICS

Attention **Attention** **Attention**

The **Census of Manufactures** is an annual survey of establishments primarily engaged in manufacturing, together with associated head offices, sales offices, and auxiliary units classified according to manufacturing industries. An establishment, usually a plant or a mill, is the smallest operating unit for which it is possible to provide a specified range of basic industrial statistics (essentially, employment data and the elements of input and output necessary to calculate value added).

In this section, 1970-1981 data have been compiled according to the **1970 version** of the Standard Industrial Classification (SIC), 1982-1987 data according to the **1980 version**, and data since **1988** according to the Harmonized Commodity and Coding System (see Section III for more details) which came into effect in Canada on January 1, 1988.

Major Changes Affecting 1987 and 1988 Surveys

Statistics Canada is redesigning its surveys of economic production. The Annual Survey of Manufactures is included within the ambit of this major initiative. The main purpose of this redesign is to achieve greater consistency and comparability among the various economic surveys, which is being addressed principally by the development of a common survey frame minimizing omissions and duplications.

The objectives are to ensure that adequate attention is paid to larger establishments who are responsible for the major share of manufacturing activity and to decrease the burden on small companies by the use of short, simple questionnaires, by the use of sampling, and by the use of administrative records.

The design specifications of the new survey frame were implemented for the 1987 Annual Survey of Manufactures. This meant that not only were fewer long-form questionnaires used for the 1987 survey than had been the norm for previous years, but the change in long-form coverage for individual province-by-industry cells was often significant. The data yielded by long forms is much more complete than from other sources; thus the change in the mix of questionnaire types resulted in a one-time break between the 1987 data and that of previous years.

Principal Considerations: Logging Industry

The principal statistics for logging are on a comparable basis for 1987 and 1988. However, there is a break between the revised 1987 levels and the data previously published for 1986, due to a significant change in the methodology.

Traditionally, Statistics Canada was alerted to the existence of a new business when application was made to Revenue Canada for a payroll deduction (PD) account number. The issuance of a PD number resulted in the business being added to Statistics Canada's list and ultimately being surveyed by them.

This process was known to contain certain conceptual flaws. One of them, the existence of establishments with no employees, has a direct bearing on the logging industry.

Under the new methodology, the information is drawn from Revenue Canada's records. This information (some of it based on sampling), coupled with survey results for large establishments, serves as the basis for the industry estimates. Revenue Canada's data are more complete and significantly reduce response burden. As a direct result of the improved ability to obtain data for small, unincorporated businesses, the number of establishments and the employment data changed considerably. Since the improvement came at the small end of the scale, there was less of an impact on shipments and costs.

The wood industries and the paper and allied industries were not affected by these changes.

Data Availability 1987-1988

Reduction in the resources made available for processing the 1987 survey meant that only selected variables on the returned questionnaires were edited and published.

The more comprehensive array of principal statistics reappeared with the 1988 data.

Detailed definitions of all industries covered by this section can be found in the publication "Standard Industrial Classification, 1980," Catalogue 12-501.

The headings used in the principal statistics tables are briefly described in section X.A, "User's guide - Definition of terms." For detailed definitions and some qualifications to the preceding explanations, see "Concepts and Definitions of the Census of Manufactures," Catalogue 31-528.

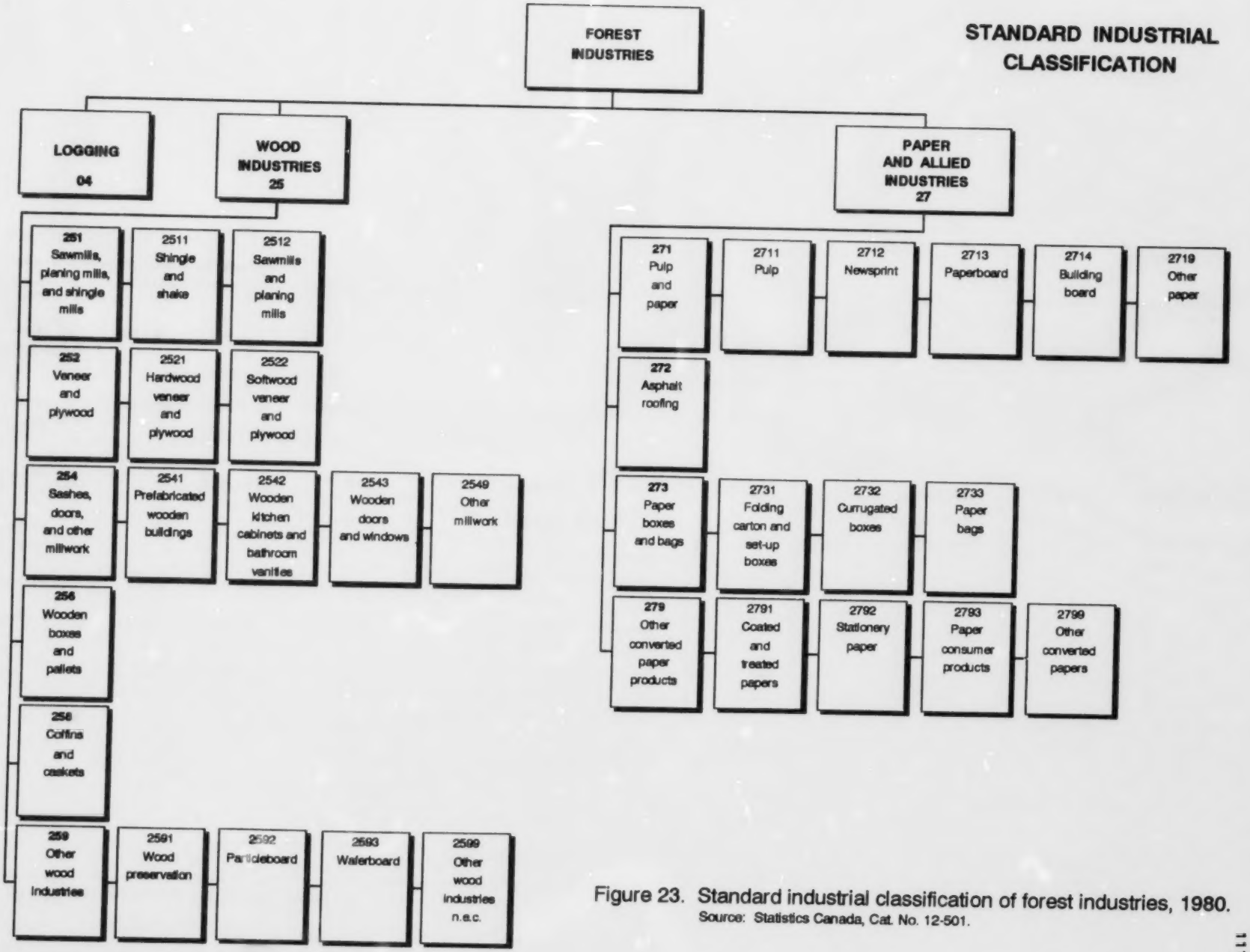

Figure 23. Standard industrial classification of forest industries, 1980.
Source: Statistics Canada, Cat. No. 12-501.

IV - 1A. Forest Industries by Sector, 1988

Sector	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a] Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
Logging	10 587	42 340	84 798	1 422	284	4 448	8 062	3 354	47 144	1 623	3 378
Wood industries	3 639	106 992	226 646	2 851	385	8 827	15 322	6 184	123 934	3 517	6 277
Paper and allied industries	718	90 976	193 551	3 184	1 757	11 471	25 661	12 534	121 075	4 479	12 485
Total forest industries (A)	**14 944**	**240 308**	**504 996**	**7 457**	**2 426**	**24 746**	**49 045**	**22 072**	**292 153**	**9 619**	**22 140**
Total manufacturing industries	40 262	1 473 332	3 086 755	38 855	7 363	166 505	297 436	124 431	1 946 982	56 797	131 806
Logging and manufacturing industries (B)	**50 849**	**1 515 672**	**3 171 553**	**40 277**	**7 647**	**170 953**	**305 498**	**127 785**	**1 994 126**	**58 420**	**135 183**
Percentage A from B	29.4	15.9	15.9	18.5	31.7	14.5	16.1	17.3	14.7	16.5	16.4

[a]Excluding working owners and partners in the forest sector.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 1B. Forest Industries by Sector, 1989p

Sector	Estab-lishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
Logging	10 618	44 471	90 184	1 557	301	4 841	8 697	3 631	49 185	1 759	3 657
Wood industries	3 380	106 682	223 850	2 950	389	9 122	15 843	6 360	123 609	3 655	6 449
Paper and allied industries	746	90 781	195 159	3 329	1 880	12 131	25 848	11 985	120 106	4 689	11 959
Total forest industries	**14 744**	**241 934**	**509 194**	**7 836**	**2 570**	**26 094**	**50 388**	**21 976**	**292 900**	**10 103**	**22 065**

[a]Excluding working owners and partners in the forest sector.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 2A. Wood Industries, 1988

Sector	S.I.C.[b]	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
				1 000	$000 000						$000 000	
Sawmill, planing mill, and shingle mill products	**251**	**1 191**	**55 111**	**117 479**	**1 688**	**256**	**5 547**	**9 366**	**3 616**	**63 606**	**2 042**	**3 623**
Shingle and shake industry	2 511	104	1 740	3 555	47	5	139	227	84	1 914	53	87
Sawmills and planing mills	2 512	1 087	53 371	113 924	1 641	251	5 408	9 139	3 532	61 694	1 989	3 533
Veneer and plywood industry	**252**	**84**	**8 233**	**17 169**	**241**	**32**	**571**	**1 051**	**448**	**9 305**	**283**	**452**
Sash, door, and other millwork	**254**	**1 675**	**32 156**	**67 579**	**664**	**46**	**1 816**	**3 376**	**1 523**	**37 781**	**870**	**1 602**
Prefabricated wooden building industry	2 541	100	2 775	5 885	60	5	253	445	189	3 641	90	219
Wooden kitchen cabinet, bathroom vanity industry	2 542	750	9 470	19 959	195	12	393	823	419	10 784	244	425
Wooden door and window ind.	2 543	404	10 493	22 058	217	15	695	1 245	537	12 754	298	555
Other millwork industries	2 549	421	9 418	19 677	191	14	476	863	378	10 602	238	403
Wooden box and pallet industry	**256**	**226**	**3 087**	**6 411**	**55**	**5**	**145**	**259**	**110**	**3 491**	**68**	**114**
Coffin and casket industry	**258**	**25**	**648**	**1 368**	**13**	**1**	**21**	**49**	**28**	**751**	**16**	**28**
Other wood industries	**259**	**438**	**7 757**	**16 639**	**190**	**46**	**727**	**1 222**	**457**	**8 998**	**238**	**457**
Wood preservation	2 591	71	1 184	2 426	30	6	229	314	85	1 477	43	87
Particleboard	2 592	28	1 611	3 736	48	15	179	349	158	2 010	62	156
Waferboard	2 593	13	1 518	3 462	51	17	169	285	99	1 858	65	97
Other wood industries	2 599	326	3 444	7 016	61	8	150	273	115	3 653	68	117
Wood industries	**25**	**3 639**	**106 992**	**226 646**	**2 861**	**385**	**8 827**	**15 322**	**6 184**	**123 934**	**3 517**	**6 277**

[a]Excluding working owners and partners.
[b]1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 2B. Wood Industries, 1983p

Sector	S.I.C.[b]	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Manufacturing activity: Fuel and electricity ($000 000)	Manufacturing activity: Materials and supplies ($000 000)	Manufacturing activity: Value of shipments of goods ($000 000)	Manufacturing activity: Value added ($000 000)	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages ($000 000)	Total activity: Total value added ($000 000)
Sawmill, planing mill, and shingle mill products	**251**	**1 049**	**52 863**	**111 047**	**1 697**	**254**	**5 671**	**9 475**	**3 549**	**60 685**	**2 048**	**3 549**
Shingle and shake industry	2 511	92	1 652	3 334	45	5	151	237	83	1 801	52	83
Sawmills and planing mills	2 512	957	51 211	107 713	1 652	249	5 520	9 237	3 465	58 884	1 997	3 466
Veneer and plywood industry	**252**	**84**	**8 199**	**16 796**	**249**	**33**	**563**	**1 068**	**476**	**9 236**	**292**	**479**
Sash, door, and other millwork	**254**	**1 606**	**33 944**	**71 395**	**730**	**50**	**1 928**	**3 655**	**1 688**	**40 076**	**967**	**1 767**
Prefabricated wooden building industry	2 541	106	3 008	6 262	66	5	271	510	237	4 016	104	282
Wooden kitchen cabinet, bathroom vanity industry	2 542	683	10 272	21 633	222	13	416	901	474	11 665	279	473
Wooden door and window ind.	2 543	403	10 768	22 583	232	16	739	1 323	575	13 240	322	593
Other millwork industries	2 549	414	9 896	20 917	211	16	503	921	402	11 155	262	419
Wooden box and pallet industry	**256**	**215**	**3 115**	**6 542**	**58**	**5**	**165**	**289**	**120**	**3 536**	**72**	**124**
Coffin and casket industry	**258**	**32**	**685**	**1 352**	**14**	**1**	**23**	**49**	**26**	**784**	**17**	**26**
Other wood industries	**259**	**394**	**7 876**	**16 718**	**202**	**45**	**773**	**1 308**	**501**	**9 292**	**258**	**504**
Wood preservation	2 591	74	1 292	2 691	35	6	245	343	100	1 630	50	100
Particleboard	2 592	29	1 579	3 458	50	16	186	345	143	2 110	70	141
Waferboard	2 593	12	1 467	3 157	52	15	187	336	134	1 806	65	136
Other wood industries	2 599	279	3 538	7 412	66	8	154	283	126	3 746	73	127
Wood industries	**25**	**3 380**	**106 682**	**223 850**	**2 950**	**389**	**9 122**	**15 843**	**6 360**	**123 609**	**3 655**	**6 449**

[a]Excluding working owners and partners.
[b]1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 3A. Paper and Allied Industries, 1988

Sector	S.I.C.[b]	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Manufacturing activity: Fuel and electricity ($000 000)	Manufacturing activity: Materials and supplies ($000 000)	Manufacturing activity: Value of shipments of goods ($000 000)	Manufacturing activity: Value added ($000 000)	Total activity: Total employees[a]: Number	Total activity: Salaries and wages ($000 000)	Total activity: Total value added ($000 000)
Pulp and paper industries	**271**	**145**	**60 874**	**132 312**	**2 405**	**1 672**	**7 991**	**19 850**	**10 285**	**81 058**	**3 332**	**10 182**
Pulp industry	2 711	42	14 608	33 333	625	366	2 577	6 605	3 687	19 314	858	3 631
Newsprint industry	2 712	42	29 953	64 286	1 186	962	3 196	8 843	4 728	39 428	1 631	4 705
Paperboard industry	2 713	26	5 477	11 775	213	164	657	1 685	877	7 236	288	872
Building board industry	2 714	7	817	1 677	22	13	37	113	64	1 021	29	65
Other paper industries	2 719	28	10 019	21 241	359	167	1 524	2 605	930	14 059	527	908
Asphalt roofing industry	**272**	**17**	**1 292**	**2 621**	**37**	**12**	**213**	**433**	**203**	**1 869**	**59**	**209**
Paper box and bag industries	**273**	**267**	**15 879**	**32 986**	**438**	**40**	**1 933**	**3 079**	**1 119**	**20 837**	**623**	**1 124**
Folding carton and set-up box industry	2 731	112	6 224	13 053	169	10	544	960	415	7 661	227	423
Corrugated box industry	2 732	123	7 972	16 686	227	25	1 199	1 819	595	10 930	337	592
Paper bag industry	2 733	32	1 683	3 246	42	4	190	300	109	2 246	60	109
Other converted paper products industries	**279**	**289**	**12 931**	**25 632**	**304**	**33**	**1 334**	**2 299**	**928**	**17 311**	**464**	**970**
Coated and treated paper	2 791	57	3 070	6 460	71	9	323	589	266	4 250	107	268
Stationary paper products	2 792	79	3 337	6 468	75	5	265	478	216	4 564	119	243
Paper consumer products	2 793	18	1 734	3 588	51	4	307	488	159	2 468	82	159
Other converted paper products	2 799	135	4 790	9 115	106	15	440	745	288	6 029	159	301
Paper and allied industries	**27**	**718**	**90 976**	**193 551**	**3 184**	**1 757**	**11 471**	**25 661**	**12 534**	**121 075**	**4 479**	**12 485**

[a] Excluding working owners and partners.
[b] 1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 38. Paper and Allied Industries, 1989p

Sector	S.I.C.[b]	Establishments	Manufacturing activity							Total activity		
			Production and related workers							Total employees[a]		
			Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
				1 000	$000 000						$000 000	
Pulp and paper industries	**271**	**147**	**60 774**	**133 429**	**2 510**	**1 793**	**8 532**	**19 812**	**9 634**	**80 595**	**3 491**	**9 550**
Pulp industry	2 711	42	14 927	33 980	669	398	2 882	7 143	3 958	19 548	917	3 908
Newsprint industry	2 712	43	29 803	64 131	1 217	1 045	3 339	8 185	3 820	39 492	1 696	3 810
Paperboard industry	2 713	26	5 431	12 127	223	169	665	1 647	815	7 161	300	811
Building board industry	2 714	7	802	1 600	23	13	37	115	65	989	31	62
Other paper industries	2 719	29	9 811	21 592	376	168	1 608	2 722	976	13 405	548	959
Asphalt roofing industry	**272**	**18**	**1 235**	**2 552**	**38**	**14**	**218**	**448**	**219**	**1 760**	**58**	**230**
Paper box and bag industries	**273**	**282**	**15 964**	**32 644**	**456**	**39**	**1 962**	**3 147**	**1 142**	**20 749**	**652**	**1 143**
Folding carton and set-up box industry	2 731	117	6 156	12 625	172	10	542	991	435	7 626	236	439
Corrugated box industry	2 732	138	8 317	17 048	246	25	1 242	1 867	598	11 135	360	594
Paper bag industry	2 733	27	1 481	2 971	38	4	177	280	108	1 988	57	109
Other converted paper products industries	**279**	**299**	**12 818**	**26 534**	**325**	**34**	**1 420**	**2 441**	**989**	**17 002**	**488**	**1 036**
Coated and treated paper	2 791	57	3 140	6 545	73	9	338	614	266	4 280	113	273
Stationary paper products	2 792	81	3 140	6 466	81	5	274	501	219	4 352	126	243
Paper consumer products	2 793	22	1 726	3 566	54	4	347	549	201	2 383	84	209
Other converted paper products	2 799	139	4 812	9 957	116	16	461	778	303	5 978	165	311
Paper and allied industries	**27**	**746**	**90 781**	**195 159**	**3 329**	**1 880**	**12 131**	**25 848**	**11 965**	**120 106**	**4 689**	**11 959**

[a] Excluding working owners and partners.
[b] 1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 4. Forest Industries Summary[a], 1965-1989p

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[b]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1965	7 363	216 375	475 944	1 046	215	2 855	5 555	2 530	262 469	1 349	2 581
1970	6 613	210 714	453 298	1 475	279	3 782	7 264	3 224	261 139	1 942	3 313
1971	6 242	208 625	445 902	1 592	318	4 006	7 731	3 433	258 839	2 090	3 519
1972	6 533	219 284	467 590	1 810	347	4 628	9 091	4 090	271 010	2 364	4 213
1973	6 840	237 514	500 889	2 155	398	5 844	11 431	5 387	292 324	2 793	5 562
1974	7 010	239 726	505 789	2 511	570	6 947	14 033	6 772	297 386	3 281	6 937
1975	6 330	222 915	446 718	2 489	562	6 574	13 110	6 151	278 681	3 336	6 286
1976	5 679	230 527	475 417	3 118	748	8 191	15 961	7 281	286 263	4 064	7 428
1977	5 320	229 348	471 405	3 455	901	8 912	17 888	8 130	282 568	4 482	8 234
1978	5 906	243 312	503 793	3 944	1 077	10 491	21 109	9 610	299 540	5 076	9 762
1979	6 784	249 993	517 679	4 416	1 244	12 964	25 317	11 520	307 580	5 680	11 830
1980	7 368	243 736	503 124	4 750	1 411	14 247	27 459	12 062	301 987	6 180	12 285
1981	7 428	233 790	473 013	5 011	1 703	14 841	28 601	12 180	291 996	6 624	12 295
1982	7 100	201 420	399 323	4 667	1 886	13 252	25 424	10 147	254 875	6 315	10 234
1983	7 633	211 645	431 978	5 355	2 109	15 370	29 326	11 976	262 216	6 987	12 085
1984	7 933	219 800	446 869	5 680	2 375	16 950	32 809	13 684	266 762	7 381	13 734
1985	7 903	218 198	450 073	6 003	2 419	17 935	34 659	14 346	267 709	7 779	14 399
1986	8 276	224 630	457 432	6 313	2 270	19 272	38 276	16 668	273 789	8 172	16 737
1987	15 068	..	..	..	2 362	23 604	45 133[c]	..	289 382	9 021	20 847
1988	14 944	240 308	504 995	7 457	2 426	24 746	49 045	22 072	292 153	9 619	22 140
1989p	14 744	241 934	509 194	7 836	2 570	26 094	50 388	21 976	292 900	10 103	22 065

[a] Logging, wood industries, and paper and allied industries.
[b] Excluding working owners and partners.
[c] With the exception of "logging", the value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

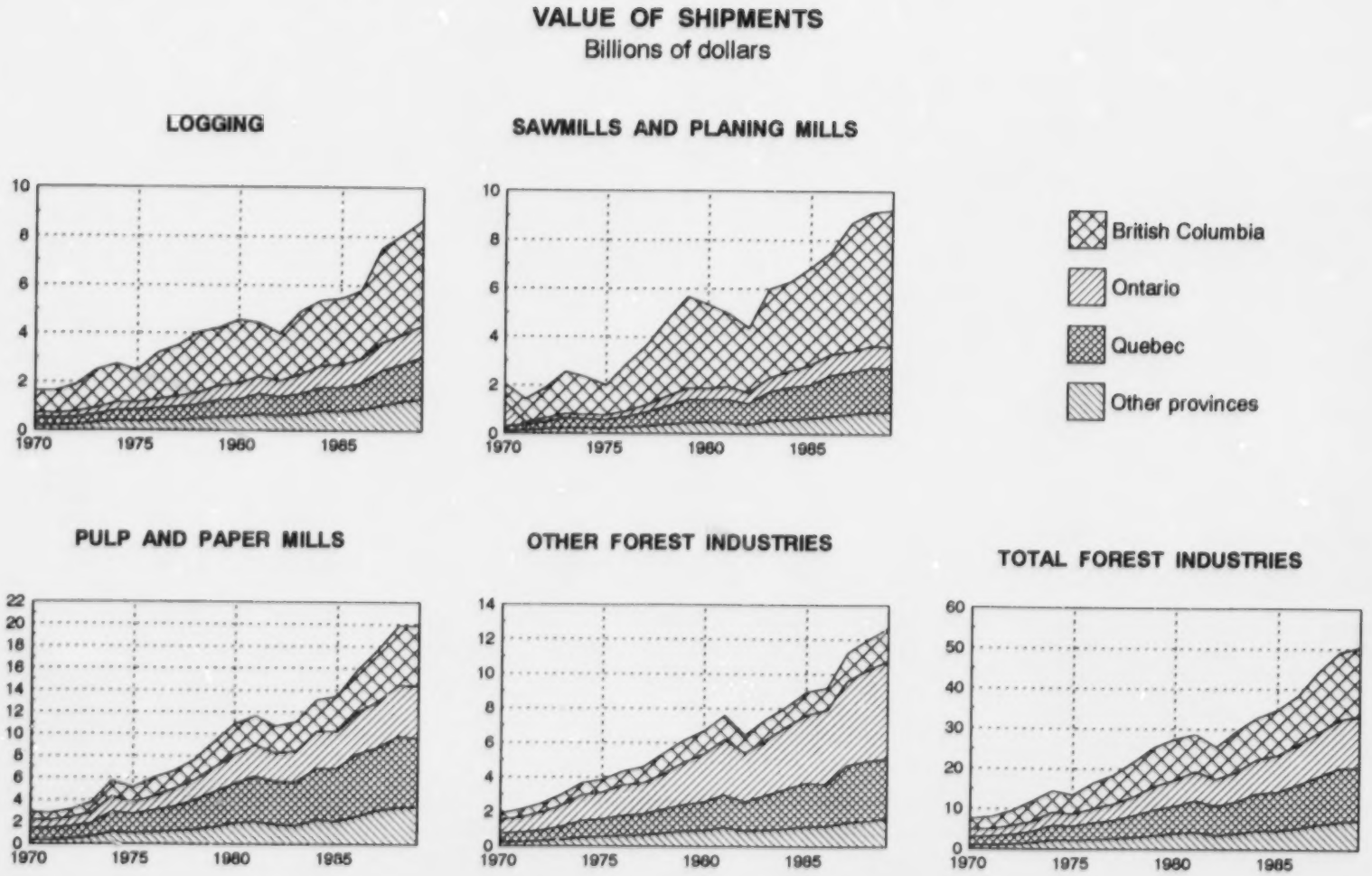

Figure 24. Value of shipments of goods of own manufacture in the forest industries by sector and region, 1970-1989.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

IV - 5A. Forest Industries Summary by Province, 1988

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000					Number	$000 000	
Nfld.	193	x	x	x	x	x	x	x	x	x	x
P.E.I.	29	x	x	x	x	x	x	x	x	x	x
N.S.	516	5 708	12 392	148	72	448	1 026	508	7 063	198	508
N.B.	1 124	12 158	26 050	363	197	1 345	2 689	1 168	14 525	458	1 147
Que.	4 171	71 980	153 151	2 072	836	6 448	13 277	6 049	89 086	2 732	6 064
Ont.	2 983	64 235	134 634	1 800	515	6 202	12 013	5 332	79 545	2 439	5 387
Man.	241	3 879	7 935	97	29	315	613	275	4 874	123	278
Sask.	214	x	x	x	x	x	x	x	x	x	x
Alta.	602	8 620	18 286	263	46	793	1 582	759	10 364	326	783
B.C.	4 864	68 481	140 911	2 545	652	8 707	16 766	7 460	80 361	3 129	7 450
Yukon and N.W.T.	7	7	18	--	--	--	1	--	7	--	--
Total	**14 944**	**240 308**	**504 995**	**7 457**	**2 426**	**24 746**	**49 045**	**22 072**	**292 153**	**9 619**	**22 140**

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 58. Forest Industries Summary by Province, 1989p

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Manufacturing activity: Fuel and electricity ($000 000)	Manufacturing activity: Materials and supplies ($000 000)	Manufacturing activity: Value of shipments of goods ($000 000)	Manufacturing activity: Value added ($000 000)	Total activity: Total employees[a]: Number	Total activity: Salaries and wages ($000 000)	Total activity: Total value added ($000 000)
Nfld.	160	x	x	x	x	x	x	x	x	x	x
P.E.I.	30	x	x	x	x	x	x	x	x	x	x
N.S.	464	5 641	12 381	155	74	471	1 067	535	6 880	204	539
N.B.	1 096	12 239	26 385	377	202	1 433	2 710	1 098	14 591	479	1 077
Que.	4 287	70 139	148 959	2 113	883	6 706	13 221	5 745	86 953	2 814	5 770
Ont.	3 006	65 775	139 421	1 919	534	6 563	12 546	5 472	80 744	2 574	5 545
Man.	281	3 882	8 225	100	29	317	613	265	4 640	127	268
Sask.	253	x	x	x	x	x	x	x	x	x	x
Alta.	599	9 341	20 061	301	61	913	1 764	811	11 105	370	846
B.C.	4 557	69 506	141 907	2 689	699	9 128	17 326	7 550	81 375	3 305	7 521
Yukon and N.W.T.	11	19	45	-	-	-	1	1	19	-	1
Total	**14 744**	**241 934**	**509 194**	**7 836**	**2 570**	**26 094**	**50 388**	**21 976**	**292 900**	**10 103**	**22 065**

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 6A. Logging by Province, 1988

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
Nfld.	130	867	1 822	26	4	65	122	56	1 008	32	56
P.E.I.	9	25	59	1	--	--	2	1	25	1	1
N.S.	389	1 168	2 573	28	3	118	204	84	1 403	35	86
N.B.	948	3 086	6 244	79	19	310	547	222	3 614	96	222
Atlantic provinces	1 476	5 146	10 698	134	26	493	875	363	6 050	164	365
Que.	2 735	10 457	21 124	310	70	762	1 540	697	11 734	358	698
Ont.	1 727	6 630	13 976	231	51	663	1 201	492	7 566	271	496
Man.	117	369	772	12	2	39	69	31	445	15	31
Sask.	143	343	738	11	5	80	119	33	379	13	33
Alta.	346	976	2 007	34	7	75	153	74	1 092	39	73
Prairies	606	1 688	3 517	57	14	194	341	138	1 916	67	137
B.C.	4 036	18 412	35 467	692	123	2 336	4 106	1 665	19 871	764	1 681
Yukon and N.W.T.	7	7	18	--	--	--	1	--	7	--	--
Total	**10 587**	**42 340**	**84 798**	**1 422**	**284**	**4 448**	**8 062**	**3 354**	**47 144**	**1 623**	**3 378**

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

IV - 68. Logging by Province, 1989p

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Manufacturing activity: Fuel and electricity ($000 000)	Manufacturing activity: Materials and supplies ($000 000)	Manufacturing activity: Value of shipments of goods ($000 000)	Manufacturing activity: Value added ($000 000)	Total activity: Total employees[a]: Number	Total activity: Salaries and wages ($000 000)	Total activity: Total value added ($000 000)
Nfld.	109	889	1 869	27	4	68	132	60	1 023	33	60
P.E.I.	11	31	75	1	-	-	2	1	31	1	1
N.S.	349	1 051	2 401	27	4	123	204	79	1 316	35	81
N.B.	929	3 396	6 820	87	18	328	603	256	3 863	102	256
Atlantic provinces	1 398	5 367	11 166	142	26	519	941	396	6 233	172	399
Que.	2 903	11 535	24 222	361	79	886	1 733	820	12 751	409	825
Ont.	1 809	6 836	14 169	247	50	738	1 290	512	7 756	288	525
Man.	169	353	762	11	2	45	73	23	432	15	23
Sask.	174	334	738	11	5	80	122	37	374	13	36
Alta.	353	1 197	2 611	44	8	91	184	87	1 304	50	87
Prairies	696	1 884	4 110	67	15	216	379	147	2 110	78	146
B.C.	3 801	18 830	36 472	739	131	2 481	4 352	1 755	20 316	813	1 761
Yukon and N.W.T.	11	19	45	-	-	-	1	1	19	-	1
Total	10 618	44 471	90 184	1 557	301	4 841	8 697	3 631	49 185	1 759	3 657

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

IV - 7A. Wood Industries by Province, 1988

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Manufacturing activity: Fuel and electricity ($000 000)	Manufacturing activity: Materials and supplies ($000 000)	Manufacturing activity: Value of shipments of goods ($000 000)	Manufacturing activity: Value added ($000 000)	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages ($000 000)	Total activity: Total value added ($000 000)
Nfld.	56	381	789	6	1	18	29	10	478	8	10
P.E.I.	19	195	413	3	–	9	14	5	272	5	10
N.S.	112	2 047	4 239	34	5	93	160	61	2 235	39	64
N.B.	154	4 155	9 059	89	17	276	498	205	4 620	103	204
Atlantic provinces	341	6 778	14 500	132	23	396	701	281	7 605	155	288
Que.	1 218	29 195	62 650	629	91	2 029	3 614	1 517	34 149	783	1 540
Ont.	926	25 301	53 681	570	72	1 648	2 906	1 208	29 185	734	1 235
Man.	99	2 112	4 452	44	4	126	221	93	2 474	55	95
Sask.	65	1 198	2 550	35	7	86	152	61	1 445	43	63
Alta.	227	5 867	12 348	165	25	443	798	341	6 793	198	368
Prairies	391	9 177	19 350	244	36	655	1 171	495	10 712	296	526
B.C.	763	36 541	76 466	1 276	163	4 099	6 932	2 685	42 283	1 550	2 690
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	3 639	106 992	226 646	2 851	385	8 827	15 322	6 184	123 934	3 517	6 277

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 7B. Wood Industries by Province, 1989p

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Manufacturing activity: Fuel and electricity ($000 000)	Manufacturing activity: Materials and supplies ($000 000)	Manufacturing activity: Value of shipments of goods ($000 000)	Manufacturing activity: Value added ($000 000)	Total activity: Total employees*: Number	Total activity: Total employees*: Salaries and wages ($000 000)	Total activity: Total value added ($000 000)
Nfld.	44	405	833	7	1	20	31	11	454	8	11
P.E.I.	18	151	313	3	-	9	14	5	233	5	9
N.S.	99	2 086	4 392	35	5	95	154	58	2 209	39	60
N.B.	144	4 031	8 703	90	16	283	489	196	4 555	107	196
Atlantic provinces	305	6 673	14 240	134	22	406	688	270	7 451	158	276
Que.	1 173	27 288	57 489	609	90	2 040	3 575	1 464	32 146	771	1 485
Ont.	846	26 741	56 714	623	74	1 745	3 107	1 290	30 655	793	1 318
Man.	83	2 033	4 193	44	4	117	213	90	2 411	56	92
Sask.	73	1 232	2 547	35	6	89	164	69	1 446	43	70
Alta.	213	6 063	12 717	176	26	487	904	398	7 084	214	435
Prairies	369	9 328	19 457	254	36	692	1 282	557	10 941	313	598
B.C.	687	36 652	75 950	1 331	167	4 239	7 193	2 779	42 416	1 619	2 772
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	**3 380**	**106 682**	**223 850**	**2 950**	**389**	**9 122**	**15 843**	**6 360**	**123 609**	**3 655**	**6 449**

*Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 8A. Paper and Allied Industries by Province, 1988

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
Nfld.	7	x	x	x	x	x	x	x	x	x	x
P.E.I.	1	x	x	x	x	x	x	x	x	x	x
N.S.	15	2 493	5 580	86	64	237	662	363	3 425	124	358
N.B.	22	4 917	10 747	195	161	759	1 644	741	6 291	259	721
Que.	218	32 328	69 377	1 133	675	3 657	8 123	3 835	43 203	1 591	3 828
Ont.	330	32 304	66 977	999	392	3 891	7 906	3 632	42 794	1 434	3 656
Man.	25	1 398	2 761	41	23	150	323	151	1 755	53	152
Sask.	6	x	x	x	x	x	x	x	x	x	x
Alta.	29	1 777	3 931	64	14	275	631	344	2 479	89	342
B.C.	65	13 528	28 978	577	366	2 272	5 728	3 110	18 207	815	3 079
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	718	90 976	193 551	3 184	1 757	11 471	25 661	12 534	121 075	4 479	12 486

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 88. Paper and Allied Industries by Province, 1989p

Province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Manufacturing activity: Fuel and electricity ($000 000)	Manufacturing activity: Materials and supplies ($000 000)	Manufacturing activity: Value of shipments of goods ($000 000)	Manufacturing activity: Value added ($000 000)	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages ($000 000)	Total activity: Total value added ($000 000)
Nfld.	7	x	x	x	x	x	x	x	x	x	x
P.E.I.	1	x	x	x	x	x	x	x	x	x	x
N.S.	16	2 504	5 588	93	66	253	709	398	3 355	130	398
N.B.	23	4 812	10 862	200	167	823	1 618	647	6 173	270	624
Que.	211	31 316	67 248	1 143	713	3 780	7 914	3 461	42 056	1 634	3 460
Ont.	351	32 198	68 537	1 049	410	4 079	8 149	3 671	42 333	1 493	3 702
Man.	29	1 496	3 270	45	24	155	327	152	1 797	56	152
Sask.	6	x	x	x	x	x	x	x	x	x	x
Alta.	33	2 081	4 732	81	27	336	676	326	2 717	106	323
B.C.	69	14 024	29 486	619	401	2 408	5 781	3 016	18 643	873	2 988
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	746	90 781	195 159	3 329	1 880	12 131	25 848	11 985	120 106	4 689	11 959

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 9. Industrial Roundwood Production and Value Added by the Forest Industry, 1970-1989

Year	Industrial roundwood production	Value added, manufacturing activity						Value added, total activity					
			Wood industries		Paper and allied industries				Wood industries		Paper and allied industries		
		Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries	Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries
	1 000 m^3	$000 000											
1970	117 324	683	436	790	1 323	1 781	3 254	694	439	802	1 331	1 817	3 313
1971	117 991	686	572	1 003	1 273	1 772	3 461	698	574	1 017	1 277	1 804	3 519
1972	120 748	814	865	1 397	1 374	1 928	4 139	829	869	1 422	1 380	1 962	4 213
1973	140 343	1 089	1 275	1 947	1 804	2 439	5 475	1 109	1 280	1 977	1 813	2 476	5 562
1974	134 416	1 221	976	1 708	3 034	3 888	6 817	1 244	983	1 748	3 049	3 945	6 937
1975	111 497	1 098	849	1 655	2 569	3 398	6 151	1 126	851	1 690	2 601	3 470	6 286
1976	135 227	1 300	1 262	2 207	2 845	3 774	7 281	1 348	1 268	2 236	2 876	3 844	7 428
1977	141 580	1 400	1 719	2 726	3 056	4 004	8 130	1 440	1 723	2 762	3 070	4 032	8 234
1978	150 918	1 564	2 257	3 507	3 504	4 539	9 610	1 647	2 260	3 550	3 508	4 565	9 762
1979	156 464	1 822	2 610	3 965	4 539	5 733	11 520	2 053	2 617	4 021	4 531	5 756	11 830
1980	150 649	1 927	2 085	3 398	5 350	6 737	12 062	2 049	2 089	3 466	5 355	6 770	12 285
1981	139 084	1 857	1 828	3 379	5 406	6 944	12 180	1 883	1 827	3 447	5 401	6 965	12 295
1982	121 343	1 616	1 489	2 662	4 535	5 869	10 147	1 650	1 494	2 708	4 515	5 876	10 234
1983	150 724	2 105	2 455	3 942	4 410	5 929	11 976	2 152	2 463	3 993	4 380	5 940	12 085
1984	160 867	2 172	2 410	4 006	5 845	7 506	13 684	2 191	2 410	4 051	5 802	7 492	13 734
1985	161 985	2 167	2 777	4 624	5 773	7 555	14 346	2 187	2 786	4 688	5 720	7 524	14 399
1986	170 263	2 260	3 209	5 473	7 020	8 935	16 668	2 297	3 216	5 523	6 974	8 917	16 737
1987	185 055	3 286	..	..	..	..	..	3 340	3 888	6 548	8 852	10 959	20 847
1988	184 037	3 354	3 532	6 184	10 285	12 534	22 072	3 378	3 536	6 277	10 182	12 485	22 140
1989p	185 302	3 631	..	6 360	..	11 985	21 976	3 657	..	6 449	..	11 959	22 065

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

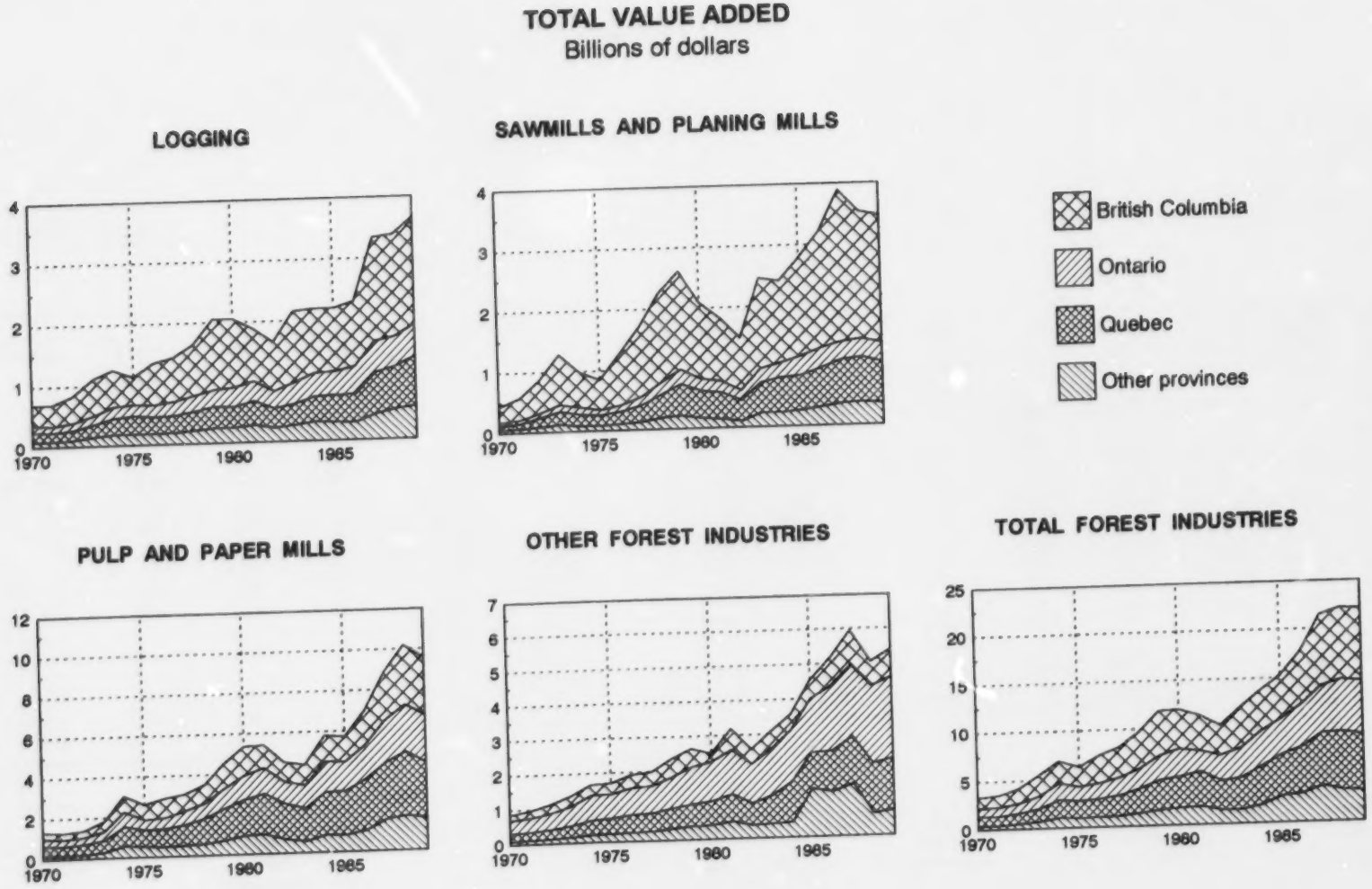

Figure 25. Total value added in the forest industries by sector and region, 1970-1989.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

IV - 10A. Industrial Roundwood Production and Value Added by the Forest Industry by Province, 1988

Province or territory	Industrial roundwood production	Value added, manufacturing activity							Value added, total activity						
			Wood industries		Paper and allied industries					Wood industries		Paper and allied industries			
		Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries		Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries	
	1 000 m^3	$000 000						%	$000 000						%
Nfld.	2 184	56	5	10	x	x	x	x	56	5	10	x	x	x	x
P.E.I.	169	1	1	5	..	x	x	x	1	1	10	..	x	x	x
N.S.	4 322	84	35	61	334	363	508	2.3	86	36	64	329	358	508	2.3
N.B.	9 186	222	114	205	721	741	1 168	5.3	222	114	204	701	721	1 147	5.2
Atlantic provinces	15 861	363	155	281	x	x	x	x	365	156	288	x	x	x	x
Que.	36 787	697	742	1 517	3 183	3 835	6 049	27.4	698	743	1 540	3 163	3 826	6 064	27.4
Ont.	27 108	492	306	1 208	2 367	3 632	5 332	24.2	496	310	1 235	2 352	3 656	5 387	24.3
Man.	1 784	31	15	93	x	151	275	1.2	31	16	95	x	152	278	1.3
Sask.	3 639	33	32	61	x	x	x	x	33	32	63	x	x	x	x
Alta.	11 946	74	177	341	x	344	759	3.4	73	176	368	x	342	783	3.5
Prairies	17 369	138	224	495	x	x	x	x	137	224	526	x	x	x	x
B.C.	86 807	1 665	2 106	2 685	2 983	3 110	7 460	33.8	1 681	2 103	2 690	2 951	3 079	7 450	33.7
Yukon and N.W.T.	105	--	..	-	..	-	--	--	--	..	-	..	-	--	-
Total	184 037	3 354	3 532	6 184	10 285	12 534	22 072	100.0	3 378	3 536	6 277	10 182	12 485	22 140	100.0

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 108. Industrial Roundwood Production and Value Added by the Forest Industry by Province, 1989p

Province or territory	Industrial roundwood production	Value added, manufacturing activity							Value added, total activity						
			Wood industries		Paper and allied industries					Wood industries		Paper and allied industries			
		Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries		Logging	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total forest industries	
	1 000 m^3	$000 000						%	$000 000						%
Nfld.	2 225	60	4	11	x	x	x	x	60	4	11	x	x	x	x
P.E.I.	153	1	2	5	..	x	x	x	1	2	9	..	x	x	x
N.S.	3 905	79	31	58	357	398	535	2.4	81	32	60	356	398	539	2.4
N.B.	9 218	256	102	196	626	647	1 098	5.0	256	102	196	604	624	1 077	4.9
Atlantic provinces	15 501	396	139	270	x	x	x	x	399	140	276	x	x	x	x
Que.	37 372	820	678	1 464	2 790	3 461	5 745	26.1	825	682	1 485	2 771	3 460	5 770	26.2
Ont.	27 402	512	310	1 290	2 348	3 671	5 472	24.9	525	313	1 318	2 343	3 702	5 545	25.1
Man.	1 756	23	11	90	x	152	265	1.2	23	12	92	x	152	268	1.2
Sask.	3 508	37	31	69	x	x	x	x	36	30	70	x	x	x	x
Alta.	12 252	87	178	398	232	326	811	3.7	87	178	435	229	323	846	3.8
Prairies	17 516	147	219	557	x	x	x	x	146	220	598	x	x	x	x
B.C.	87 414	1 755	2 120	2 779	2 881	3 016	7 550	34.4	1 761	2 111	2 772	2 851	2 988	7 521	34.1
Yukon and N.W.T.	97	1	-	-	..	-	1	--	1	-	-	..	-	1	--
Total	185 302	3 631	3 465	6 360	9 634	11 985	21 976	100.0	3 657	3 466	6 449	9 550	11 959	22 065	100.0

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 11A. Major Wood Industries - Selected Provinces, 1988

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
A. Sawmill, planing mill, and shingle mill industries (S.I.C. 251)											
Nfld.	33	99	403	3	1	6	12	5	273	4	5
P.E.I.	8	46	104	1	--	2	3	1	51	1	1
N.S.	62	1 246	2 590	20	4	43	81	35	1 305	22	36
Que.	353	12 969	28 550	308	56	1 067	1 867	753	15 220	374	754
Man.	16	415	824	9	1	32	45	15	455	11	16
Sask.	11	x	x	x	x	x	x	x	x	x	x
Alta.	48	2 756	5 784	86	15	212	391	177	3 024	97	176
Prairies	75	x	x	x	x	x	x	x	x	x	x
B.C.	413	27 520	58 080	1 007	133	3 406	5 695	2 175	32 118	1 236	2 175
Yukon and N.W.T.	-	..	..	..	-	-	..	..	-	-	-
Others	247	x	x	x	x	x	x	x	x	x	x
Total	**1 191**	**55 111**	**117 749**	**1 688**	**256**	**5 547**	**9 366**	**3 616**	**63 608**	**2 042**	**3 623**
B. Shingle and shake industry (S.I.C. 2511)											
Que.	15	341	722	7	1	8	20	11	363	7	11
B.C.	80	1 277	2 583	38	4	127	199	69	1 422	43	72
Others	9	122	250	2	-	4	8	4	129	3	4
Total	**104**	**1 740**	**3 555**	**47**	**5**	**139**	**227**	**84**	**1 914**	**53**	**87**

IV - 11A. Major Wood Industries - Selected Provinces, 1988 (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
C. Sawmill and planing mill products industry (S.I.C. 2512)											
Nfld.	33	199	403	3	1	6	12	5	273	4	5
P.E.I.	8	46	104	1	--	2	3	1	51	1	1
N.S.	62	1 246	2 590	20	4	43	81	35	1 305	22	36
N.B.	69	2 370	5 204	53	10	167	293	114	2 603	60	114
Atlantic provinces	172	3 861	8 301	77	15	218	389	155	4 232	87	156
Que.	338	12 628	27 829	302	56	1 059	1 847	742	14 857	367	743
Ont.	170	6 894	14 452	180	32	562	891	306	7 788	214	310
Man.	16	415	824	9	1	32	45	15	455	11	16
Sask.	10	574	1 237	19	3	47	81	32	642	21	32
Alta.	48	2 756	5 784	86	15	212	391	177	3 024	97	176
Prairies	74	3 745	7 845	114	19	291	517	224	4 121	129	224
B.C.	333	26 243	55 497	969	129	3 279	5 496	2 106	30 696	1 193	2 103
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	**1 087**	**53 371**	**113 924**	**1 641**	**251**	**5 408**	**9 139**	**3 532**	**61 694**	**1 989**	**3 536**
D. Veneer and plywood industries (S.I.C. 252)											
Que.	29	1 425	3 153	30	5	117	203	82	1 783	42	90
Ont.	19	1 943	4 122	44	6	99	183	80	2 217	55	89
B.C.	25	4 178	8 402	146	17	307	584	255	4 499	161	252
Others	11	687	1 492	21	4	48	81	31	806	25	30
Total	**84**	**8 233**	**17 169**	**241**	**32**	**571**	**1 051**	**448**	**9 305**	**283**	**462**

IV - 11A. Major Wood Industries - Selected Provinces, 1988 (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
E. Sash, door, and other millwork industries (S.I.C. 254)											
N.S.	30	648	1 330	11	1	33	54	19	755	14	22
Que.	641	10 974	22 953	212	16	603	1 099	483	12 705	267	497
Ont.	474	12 081	25 642	251	16	678	1 314	628	14 110	344	645
Man.	65	1 550	3 323	32	2	80	156	72	1 846	41	73
Alta.	123	1 911	4 020	42	3	112	209	92	2 425	59	121
B.C.	225	3 592	7 434	88	6	246	424	173	4 223	110	180
Others	117	1 400	2 877	28	2	64	120	56	1 717	35	64
Total	**1 675**	**32 156**	**67 579**	**644**	**46**	**1 816**	**3 376**	**1 523**	**37 781**	**870**	**1 602**
F. Prefabricated wooden building industry (S.I.C. 2541)											
N.S.	5	196	405	4	--	11	18	7	248	5	7
Que.	41	959	2 058	19	2	89	148	60	1 166	26	65
Ont.	21	787	1 716	18	1	91	164	73	1 043	28	72
Man.	3	24	50	--	--	1	2	1	24	--	1
Alta.	9	395	813	10	1	31	60	26	633	18	48
B.C.	17	402	823	9	1	30	53	23	510	12	25
Others	4	12	20	-	-	-	-	-	17	1	1
Total	**100**	**2 775**	**5 885**	**60**	**5**	**253**	**445**	**189**	**3 641**	**90**	**219**

IV - 11A. Major Wood Industries - Selected Provinces, 1988 (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
G. Wooden kitchen cabinet and bathroom vanity industries (S.I.C. 2542)											
Nfld.	10	53	113	1	--	2	3	2	58	1	2
N.S.	9	99	208	2	--	3	6	2	107	2	4
N.B.	16	230	480	4	--	10	16	6	249	5	6
Que.	306	3 166	6 639	62	4	129	251	118	3 523	73	119
Ont.	217	3 808	7 997	79	4	160	358	195	4 403	106	199
Man.	36	536	1 205	12	1	24	49	24	614	15	24
Sask.	19	68	142	1	--	3	6	3	84	2	3
Alta.	43	414	877	8	1	16	32	15	465	10	16
B.C.	94	1 096	2 298	26	1	47	103	54	1 281	31	54
Others	-	-	-	-	-	-	-	-	-	-	-
Total	**750**	**9 470**	**19 959**	**195**	**12**	**393**	**823**	**419**	**10 784**	**244**	**425**
H. Wooden door and window industry (S.I.C. 2543)											
N.S.	7	150	322	3	--	9	15	6	197	4	6
N.B.	16	442	911	10	1	23	51	28	524	13	28
Que.	174	4 161	8 514	80	6	260	459	195	4 984	104	197
Ont.	100	3 485	7 577	73	5	226	430	201	4 217	108	206
Man.	15	614	1 270	13	1	40	78	37	777	17	37
Alta.	27	421	876	9	1	29	47	17	523	12	17
B.C.	51	1 051	2 236	27	2	99	148	49	1 249	35	55
Others	14	169	352	2	--	9	17	4	283	5	9
Total	**404**	**10 493**	**22 058**	**217**	**15**	**695**	**1 245**	**537**	**12 754**	**298**	**555**

IV - 11A. Major Wood Industries - Selected Provinces, 1988 (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
I. Other millwork industries (S.I.C. 2549)											
N.S.	9	203	395	3	--	10	15	5	203	3	6
N.B.	17	247	485	4	--	8	14	6	265	4	6
Que.	120	2 688	5 742	52	4	127	241	110	3 032	64	116
Ont.	136	4 001	8 351	81	5	202	362	160	4 447	102	168
Man.	11	376	798	7	1	15	27	11	431	9	12
Sask.	12	91	191	2	--	5	9	4	143	4	6
Alta.	44	681	1 454	15	1	35	71	34	804	19	41
Prairies	67	1 148	2 443	24	2	55	107	49	1 378	32	59
B.C.	63	1 043	2 078	26	2	71	119	46	1 183	32	47
Others	9	88	183	1	-	3	5	2	94	1	1
Total	**421**	**9 418**	**19 677**	**191**	**14**	**476**	**863**	**378**	**10 602**	**238**	**403**
J. Wooden box and pallet industry (S.I.C. 256)											
N.B.	9	89	185	x	--	2	4	2	90	1	2
Que.	69	976	1 975	17	2	41	73	31	1 087	20	33
Ont.	102	1 602	3 398	28	2	80	143	61	1 834	37	62
Man.	7	62	130	1	--	3	5	3	74	1	3
Sask.	5	22	46	--	--	1	2	1	22	--	1
Alta.	9	140	292	3	--	8	15	7	155	3	7
Others	25	196	385	x	--	10	17	5	229	6	6
Total	**226**	**3 087**	**6 411**	**55**	**5**	**145**	**259**	**110**	**3 491**	**88**	**114**

IV - 11A. Major Wood Industries - Selected Provinces, 1988 (concluded)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
K. Coffin and casket industry (S.I.C. 258)											
Que.	14	448	946	9	1	15	34	19	527	11	19
Alta.	4	37	66	1	--	1	2	1	41	1	2
Others	7	163	356	3	--	5	13	8	183	4	7
Total	**25**	**648**	**1 368**	**13**	**1**	**21**	**49**	**28**	**751**	**16**	**28**
L. Other wood industries (S.I.C. 259)											
N.S.	10	96	199	2	--	15	22	5	115	2	5
N.B.	14	519	1 232	12	5	56	101	41	602	14	40
Que.	112	2 403	5 074	53	12	185	338	149	2 827	68	148
Ont.	156	2 649	5 775	64	15	224	365	126	3 092	82	130
B.C.	84	1 093	2 246	31	6	131	213	75	1 251	38	75
Others	62	997	2 113	28	8	116	183	61	1 111	34	59
Total	**438**	**7 757**	**16 639**	**190**	**46**	**727**	**1 222**	**457**	**8 998**	**238**	**457**

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 31-203.

IV - 11B. Major Wood Industries - Selected Provinces, 1989p

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[e]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
A. Sawmill, planing mill, and shingle mill industries (S.I.C. 251)											
Nfld.	20	x	x	x	x	x	x	x	x	x	x
P.E.I.	8	x	113	1	--	3	5	2	63	1	2
N.S.	47	1 229	2 579	20	3	45	77	31	1 265	21	32
Que.	340	11 922	25 263	291	54	1 089	1 823	689	13 809	351	693
Man.	13	430	887	11	1	34	51	11	473	12	12
Sask.	12	x	x	x	x	x	x	x	x	x	x
Alta.	45	x	x	x	x	x	x	x	x	x	x
Prairies	70	3 615	7 587	117	20	302	541	219	4 057	135	220
B.C.	353	26 882	56 088	1 032	136	3 483	5 823	2 189	31 287	1 263	2 180
Yukon and N.W.T.	..	..	..	..	..	..	..	..	..	..	..
Others	211	x	x	x	x	x	x	x	x	x	x
Total	**1 049**	**52 863**	**111 047**	**1 697**	**254**	**5 671**	**9 475**	**3 549**	**60 685**	**2 048**	**3 549**
B. Shingle and shake industry (S.I.C. 2511)											
Que.	15	351	740	7	1	9	22	11	368	7	11
B.C.	64	1 203	2 390	36	4	138	209	69	1 328	42	69
Others	13	98	204	2	-	4	6	3	105	3	3
Total	**92**	**1 652**	**3 334**	**45**	**5**	**151**	**237**	**83**	**1 801**	**52**	**83**

IV - 11B. Major Wood Industries - Selected Provinces, 1989p (continued)

Activity/ province or territory	Manufacturing activity							Total activity		
		Production and related workers						Total employees[a]		
	Estab-lishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
C. Sawmill and planing mill products industry (S.I.C. 2512)											
Nfld.	19	x	296	2	–	6	10	4	152	2	4
P.E.I.	8	x	113	1	–	3	5	2	63	1	2
N.S.	47	1 229	2 579	20	3	45	77	31	1 265	21	32
N.B.	58	2 214	4 833	51	10	166	275	102	2 468	58	102
Atlantic provinces	132	3 646	7 822	74	13	219	367	139	3 948	83	140
Que.	325	11 571	24 523	284	53	1 080	1 801	678	13 441	344	682
Ont.	144	6 704	14 092	182	31	573	915	310	7 486	214	313
Man.	13	430	887	11	1	34	51	11	473	12	12
Sask.	10	466	945	16	3	44	76	31	519	18	30
Alta.	44	2 715	5 746	90	16	223	413	178	3 058	104	178
Prairies	67	3 611	7 578	116	20	302	540	219	4 050	135	220
B.C.	289	25 679	53 698	995	132	3 346	5 614	2 120	29 959	1 221	2 111
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	**957**	**51 211**	**107 713**	**1 652**	**249**	**5 520**	**9 237**	**3 465**	**58 884**	**1 997**	**3 466**
D. Veneer and plywood industries (S.I.C. 252)											
Que.	28	1 352	2 912	29	5	110	186	75	1 668	40	76
Ont.	21	1 913	3 915	46	6	96	184	80	2 184	56	88
B.C.	26	4 236	8 485	152	18	311	610	284	4 571	169	278
Others	9	698	1 484	22	4	46	88	37	813	27	37
Total	**84**	**8 199**	**16 796**	**249**	**33**	**563**	**1 068**	**476**	**9 236**	**292**	**479**

IV - 11B. Major Wood Industries - Selected Provinces, 1989p (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
E. Sash, door, and other millwork industries (S.I.C. 254)											
P.E.I.	5	84	177	1	--	6	9	3	158	3	7
Que.	614	10 384	21 703	209	17	590	1 113	506	12 331	273	521
Man.	52	1 454	2 993	30	2	72	146	73	1 765	41	74
Alta.	118	2 033	4 225	46	3	127	248	120	2 557	63	157
B.C.	220	4 190	8 644	106	6	286	501	212	4 985	137	220
Others	597	15 799	33 653	338	22	847	1 638	774	18 280	450	788
Total	**1 606**	**33 944**	**71 395**	**730**	**50**	**1 928**	**3 655**	**1 688**	**40 076**	**967**	**1 767**
F. Prefabricated wooden building industry (S.I.C. 2541)											
N.S.	4	34	71	1	--	2	5	3	41	1	3
Que.	41	993	2 019	20	2	93	164	68	1 260	31	77
Man.	3	31	65	1	--	1	2	1	31	1	1
Alta.	8	392	819	9	1	33	78	44	627	17	80
B.C.	19	488	1 018	12	1	36	68	31	636	17	31
Others	31	1 070	2 270	23	--	106	193	90	1 421	37	90
Total	**106**	**3 008**	**6 262**	**66**	**5**	**271**	**510**	**237**	**4 016**	**104**	**282**

IV - 11B. Major Wood Industries - Selected Provinces, 1989p (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
G. Wooden kitchen cabinet and bathroom vanity industries (S.I.C. 2542)											
Nfld.	9	127	263	2	--	4	7	3	150	2	3
N.B.	12	205	427	3	--	8	15	6	232	4	6
Que.	296	2 920	6 075	60	4	119	247	125	3 284	73	125
Ont.	194	4 593	9 834	101	6	186	420	228	5 207	132	227
Man.	23	507	1 053	11	1	18	40	22	573	13	22
Sask.	19	114	230	2	--	4	9	5	134	3	5
Alta.	39	463	960	9	1	18	36	17	534	12	17
B.C.	84	1 278	2 659	31	2	56	122	66	1 477	39	66
Others	7	65	132	3	-	3	5	2	74	-	2
Total	**683**	**10 272**	**21 833**	**222**	**13**	**416**	**901**	**474**	**11 665**	**279**	**473**
H. Wooden door and window industry (S.I.C. 2543)											
N.S.	10	268	581	5	--	13	22	8	315	6	8
N.B.	21	460	958	11	1	27	54	28	548	15	28
Que.	167	3 896	8 018	77	6	254	460	201	4 835	104	202
Ont.	94	3 709	8 026	81	5	242	453	208	4 443	116	212
Man.	13	567	1 148	12	1	36	74	37	714	17	37
Alta.	29	443	907	10	1	35	58	24	540	13	24
B.C.	54	1 259	2 601	33	2	120	183	63	1 567	45	70
Others	15	166	344	3	-	12	19	6	278	6	12
Total	**403**	**10 768**	**22 583**	**232**	**16**	**739**	**1 323**	**575**	**13 240**	**322**	**593**

IV - 11B. Major Wood Industries - Selected Provinces, 1989p (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
I. Other millwork industries (S.I.C. 2549)											
N.S.	12	248	537	4	--	9	13	3	248	4	4
N.B.	18	244	491	4	--	9	15	6	285	5	7
Que.	110	2 575	5 591	52	5	125	242	112	2 952	66	117
Ont.	137	4 431	9 343	93	6	223	403	175	4 872	115	180
Man.	13	349	726	7	1	16	30	14	447	10	15
Sask.	11	91	198	2	--	5	9	4	126	3	5
Alta.	42	735	1 539	17	1	40	76	34	856	21	35
Prairies	66	1 175	2 463	26	2	61	114	51	1 429	34	56
B.C.	63	1 165	2 366	30	2	74	128	52	1 305	36	53
Others	8	58	126	2	-	2	5	2	64	2	3
Total	**414**	**9 896**	**20 917**	**211**	**16**	**503**	**921**	**402**	**11 155**	**262**	**419**
J. Wooden box and pallet industry (S.I.C. 256)											
N.B.	11	74	150	1	--	2	4	1	74	1	1
Que.	69	980	2 059	18	2	46	81	33	1 089	21	35
Ont.	92	1 524	3 221	27	2	79	143	62	1 763	36	63
Man.	7	76	160	1	--	3	6	3	88	2	3
Sask.	5	x	92	1	--	2	3	1	45	1	1
Alta.	12	172	353	3	--	13	20	7	187	4	7
Others	19	x	507	7	--	20	32	13	290	7	14
Total	**215**	**3 115**	**6 542**	**58**	**5**	**165**	**289**	**120**	**3 536**	**72**	**124**

IV - 11B. Major Wood Industries - Selected Provinces, 1989p (concluded)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
K. Coffin and casket industry (S.I.C. 258)											
Que.	14	422	829	9	1	15	33	18	497	11	18
Alta.	4	36	75	1	--	1	2	1	40	1	1
Others	14	227	448	4	--	7	14	7	247	5	7
Total	**32**	**685**	**1 352**	**14**	**1**	**23**	**49**	**26**	**784**	**17**	**26**
L. Other wood industries (S.I.C. 259)											
N.B.	11	559	1 236	13	5	59	104	43	638	16	43
Que.	108	2 228	4 724	53	12	189	339	143	2 752	73	142
Ont.	133	2 695	5 814	66	15	238	386	133	3 174	84	139
B.C.	74	1 152	2 334	35	6	141	229	83	1 340	44	83
Others	68	1 242	2 610	35	7	146	250	99	1 388	41	97
Total	**394**	**7 876**	**16 718**	**202**	**45**	**773**	**1 308**	**501**	**9 292**	**258**	**504**

[p]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 31-203.

IV - 12A. Major Paper and Allied Industries - Selected Provinces, 1988

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
A. Pulp and paper industries (S.I.C. 271)											
N.S.	5	2 018	4 628	76	61	194	586	334	2 796	108	329
N.B.	12	4 572	10 037	186	160	719	1 584	721	5 863	248	701
Que.	59	23 383	51 131	901	647	2 654	6 437	3 183	31 276	1 253	3 163
Ont.	34	15 203	32 427	561	349	1 923	4 633	2 367	20 157	783	2 352
B.C.	25	12 072	25 937	535	363	2 088	5 416	2 983	16 198	751	2 951
Others	10	3 626	8 152	146	92	413	1 194	697	4 768	189	686
Total	**145**	**60 874**	**132 312**	**2 405**	**1 672**	**7 991**	**19 850**	**10 285**	**81 058**	**3 332**	**10 182**
B. Pulp industry (S.I.C. 2711)											
N.B.	7	2 466	5 292	100	77	412	926	445	3 290	142	434
Que.	10	1 908	4 570	77	54	333	823	445	2 491	107	436
Ont.	5	2 644	5 905	101	59	399	1 078	620	3 347	132	619
B.C.	16	5 894	13 404	271	146	1 192	3 045	1 707	7 713	370	1 688
Others	4	1 696	4 162	76	30	241	733	470	2 473	107	454
Total	**42**	**14 608**	**33 333**	**625**	**366**	**2 577**	**6 605**	**3 687**	**19 314**	**858**	**3 631**

IV - 12A. Major Paper and Allied Industries - Selected Provinces, 1988 (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[e]: Number	Total activity: Total employees[e]: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
C. Newsprint industry (S.I.C. 2712)											
Que.	21	14 348	31 467	566	441	1 417	3 788	1 953	18 476	759	1 952
Ont.	9	6 495	13 297	243	173	679	1 934	1 082	8 937	358	1 073
B.C.	4	4 471	9 066	196	176	610	1 789	1 017	6 143	281	1 004
Others	8	4 639	10 456	181	172	490	1 332	676	5 872	233	676
Total	**42**	**29 953**	**64 286**	**1 186**	**962**	**3 196**	**8 843**	**4 728**	**39 428**	**1 631**	**4 705**
D. Paperboard industry (S.I.C. 2713)											
Que.	10	2 317	5 052	94	65	292	735	383	3 253	133	382
Ont.	10	2 125	4 440	75	61	223	573	291	2 613	96	287
Others	6	1 035	2 283	44	38	142	377	203	1 370	59	203
Total	**26**	**5 477**	**11 775**	**213**	**164**	**657**	**1 685**	**877**	**7 236**	**288**	**872**
E. Asphalt roofing industry (S.I.C. 272)											
Que.	5	493	1 024	15	6	68	138	62	814	29	67
Ont.	6	470	901	12	4	86	192	97	587	16	98
Others	6	329	696	10	2	59	103	44	468	14	44
Total	**17**	**1 292**	**2 621**	**37**	**12**	**213**	**433**	**203**	**1 869**	**59**	**209**

IV - 12A. Major Paper and Allied Industries - Selected Provinces, 1988 (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
F. Paper box and bag industries (S.I.C. 273)											
Que.	69	4 851	9 778	133	13	558	880	311	6 320	186	311
Ont.	147	8 361	17 610	229	21	1 012	1 620	597	10 999	331	603
Alta.	12	491	1 031	14	1	87	131	43	636	20	43
Others	39	2 176	4 567	62	5	276	448	168	2 882	86	167
Total	**267**	**15 879**	**32 986**	**438**	**40**	**1 933**	**3 079**	**1 119**	**20 837**	**623**	**1 124**
G. Folding carton and set-up box industry (S.I.C. 2731)											
Que.	36	1 989	4 130	54	3	158	273	113	2 389	69	113
Ont.	59	3 768	7 969	103	6	347	613	269	4 677	141	278
B.C.	6	239	511	7	--	21	38	17	314	11	17
Others	11	228	443	5	1	18	36	16	281	6	15
Total	**112**	**6 224**	**13 053**	**169**	**10**	**544**	**960**	**415**	**7 661**	**227**	**423**
H. Corrugated box industry (S.I.C. 2732)											
Que.	23	2 110	4 193	60	8	306	460	146	2 949	89	147
Ont.	74	4 164	8 833	117	13	632	951	307	5 730	175	305
Man.	4	227	526	7	1	36	56	20	294	9	19
B.C.	8	759	1 598	23	2	101	171	68	1 019	34	68
Others	14	712	1 536	20	1	124	181	54	938	30	53
Total	**123**	**7 972**	**16 686**	**227**	**25**	**1 199**	**1 819**	**595**	**10 930**	**337**	**592**

IV - 12A. Major Paper and Allied Industries - Selected Provinces, 1988 (concluded)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees*: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
I. Paper bag industry (S.I.C. 2733)											
Que.	10	752	1 455	20	2	94	146	52	982	28	52
Ont.	14	429	808	10	1	34	55	20	592	16	20
Others	8	502	983	12	1	62	99	37	672	16	37
Total	**32**	**1 683**	**3 246**	**42**	**4**	**190**	**300**	**109**	**2 246**	**60**	**109**
J. Other converted paper products industries (S.I.C. 279)											
Que.	85	3 601	7 444	84	9	377	668	279	4 793	123	285
Ont.	143	8 270	16 038	197	19	868	1 462	571	11 051	304	604
Others	61	1 060	2 150	23	5	89	169	78	1 467	37	81
Total	**289**	**12 931**	**25 632**	**304**	**33**	**1 334**	**2 299**	**928**	**17 311**	**464**	**970**
K. Stationery paper products industry (S.I.C. 2792)											
Que.	19	730	1 517	18	1	57	105	48	1 000	27	52
Ont.	38	2 231	4 214	49	3	177	308	134	2 983	77	154
Man.	5	111	224	2	1	9	15	6	189	4	7
Alta.	5	88	157	2	--	7	15	8	134	3	8
B.C.	8	148	304	5	--	14	32	19	225	8	20
Others	4	29	52	--	--	1	3	1	33	--	2
Total	**79**	**3 337**	**6 468**	**76**	**5**	**265**	**478**	**216**	**4 564**	**119**	**243**

*Excluding working owners and partners.

Source: Statistics Canada Cat. No. 31-203.

IV - 12B. Major Paper and Allied Industries - Selected Provinces, 1989p

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
A. Pulp and paper industries (S.I.C. 271)											
N.S.	5	1 989	4 645	81	62	205	617	357	2 686	113	356
N.B.	12	4 405	10 020	191	166	782	1 556	626	5 682	258	604
Que.	60	22 780	49 910	916	686	2 777	6 228	2 790	30 723	1 302	2 771
Ont.	34	15 059	33 007	580	365	2 023	4 708	2 348	19 758	798	2 343
B.C.	25	12 579	26 523	570	398	2 220	5 455	2 881	16 723	803	2 851
Others	11	3 962	9 324	172	116	525	1 248	632	5 023	217	625
Total	**147**	**60 774**	**133 429**	**2 510**	**1 793**	**8 532**	**19 812**	**9 634**	**80 595**	**3 491**	**9 560**
B. Pulp industry (S.I.C. 2711)											
N.B.	7	2 417	5 296	102	79	445	941	429	3 207	147	418
Que.	10	1 894	5 032	89	62	413	1 013	562	2 518	121	550
Ont.	5	2 718	6 041	106	64	444	1 168	672	3 483	142	682
B.C.	15	5 964	12 824	276	145	1 237	3 171	1 816	7 730	379	1 787
Others	5	1 934	4 787	96	48	343	850	479	2 610	128	473
Total	**42**	**14 927**	**33 980**	**669**	**398**	**2 882**	**7 143**	**3 968**	**19 548**	**917**	**3 908**

IV - 12B. Major Paper and Allied Industries - Selected Provinces, 1989p (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
C. Newsprint industry (S.I.C. 2712)											
Que.	21	13 885	29 926	560	473	1 406	3 324	1 437	18 334	777	1 438
Ont.	9	6 420	13 743	248	180	724	1 870	970	8 744	359	960
B.C.	5	4 960	9 926	221	210	692	1 747	855	6 652	317	853
Others	8	4 538	10 536	188	182	517	1 244	558	5 762	243	559
Total	**43**	**29 803**	**64 131**	**1 217**	**1 045**	**3 339**	**8 185**	**3 820**	**39 492**	**1 696**	**3 810**
D. Paperboard industry (S.I.C. 2713)											
Que.	10	2 239	5 036	98	66	292	713	359	3 184	136	357
Ont.	10	2 063	4 564	76	63	222	589	300	2 573	99	297
Others	6	1 069	2 527	49	40	151	345	156	1 404	65	157
Total	**26**	**5 431**	**12 127**	**223**	**169**	**665**	**1 647**	**815**	**7 161**	**300**	**811**
E. Asphalt roofing industry (S.I.C. 272)											
Que.	5	x	928	15	7	62	138	68	733	26	78
Ont.	6	444	887	12	4	92	203	111	548	16	112
Others	7	x	737	11	3	64	107	40	479	16	40
Total	**18**	**1 235**	**2 552**	**38**	**14**	**218**	**448**	**219**	**1 760**	**58**	**230**

IV - 12B. Major Paper and Allied Industries - Selected Provinces, 1989p (continued)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
F. Paper box and bag industries (S.I.C. 273)											
Que.	66	4 578	9 152	129	11	548	877	320	6 012	184	321
Ont.	160	8 796	18 242	249	21	1 050	1 687	609	11 430	359	610
Alta.	14	523	1 090	15	1	92	140	47	670	21	47
Others	42	2 057	4 160	63	6	272	443	166	2 637	88	165
Total	**282**	**15 954**	**32 644**	**456**	**39**	**1 962**	**3 147**	**1 142**	**20 749**	**652**	**1 143**
G. Folding carton and set-up box industry (S.I.C. 2731)											
Que.	33	1 641	3 638	49	3	146	271	124	2 229	64	124
Ont.	64	3 897	8 131	111	7	349	441	279	4 835	154	284
B.C.	7	193	411	6	--	23	39	17	282	10	17
Others	13	225	445	6	x	24	240	15	280	8	14
Total	**117**	**6 156**	**12 625**	**172**	**10**	**542**	**991**	**435**	**7 626**	**236**	**439**
H. Corrugated box industry (S.I.C. 2732)											
Que.	23	2 021	4 094	61	7	308	452	137	2 829	93	137
Ont.	85	4 510	9 304	127	14	666	987	307	6 053	189	303
Man.	6	254	550	7	1	38	58	20	321	9	19
B.C.	8	789	1 602	29	2	106	182	74	969	38	75
Others	16	743	1 498	22	1	124	188	60	963	31	60
Total	**138**	**8 317**	**17 048**	**246**	**25**	**1 242**	**1 867**	**598**	**11 135**	**360**	**594**

IV - 12B. Major Paper and Allied Industries - Selected Provinces, 1989p (concluded)

Activity/ province or territory	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a] Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
I. Paper bag industry (S.I.C. 2733)											
Que.	10	716	1 419	19	2	94	155	59	954	27	60
Ont.	11	389	806	10	1	35	59	23	542	16	23
Others	6	376	746	9	1	48	76	26	492	14	26
Total	**27**	**1 481**	**2 971**	**38**	**4**	**177**	**290**	**108**	**1 988**	**57**	**109**
J. Other converted paper products industries (S.I.C. 279)											
Que.	80	3 503	7 258	84	9	393	670	283	4 588	122	290
Ont.	151	7 900	16 402	209	20	914	1 550	603	10 597	319	637
Others	68	1 415	2 874	32	5	113	221	103	1 817	47	109
Total	**299**	**12 818**	**26 534**	**325**	**34**	**1 420**	**2 441**	**989**	**17 002**	**488**	**1 036**
K. Stationery paper products industry (S.I.C. 2792)											
Que.	19	747	1 538	18	1	57	112	54	994	27	56
Ont.	38	1 997	4 113	53	3	182	315	128	2 762	62	145
Man.	5	101	212	2	--	6	13	7	144	4	9
Alta.	5	66	126	2	--	8	16	8	118	3	8
B.C.	10	190	396	6	--	19	39	20	291	10	21
Others	4	39	81	-	x	2	6	2	43	-	4
Total	**81**	**3 140**	**6 466**	**81**	**5**	**274**	**501**	**219**	**4 352**	**126**	**243**

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 31-203.

IV - 13. Logging by Year, 1960-1989

Year	Estab-lishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1960	..	..	..	..	..	..	806	..	..	375	..
1965	2 556	53 992	122 571	274	27	651	1 185	528	60 701	316	547
1970	2 648	44 810	100 227	345	29	690	1 382	653	52 230	412	694
1971	2 436	40 119	88 723	344	30	687	1 383	658	47 284	413	698
1972	2 794	40 363	89 599	382	37	770	1 592	765	47 553	458	829
1973	3 128	49 573	105 182	513	50	1 127	2 104	1 001	57 586	606	1 109
1974	3 249	50 733	108 321	601	68	1 249	2 365	1 176	59 491	717	1 244
1975	2 745	45 533	97 662	588	64	1 129	2 175	1 098	53 622	712	1 126
1976	2 315	42 185	83 917	639	71	1 383	2 733	1 300	49 878	773	1 348
1977	2 131	41 804	83 192	693	74	1 513	2 998	1 400	49 445	844	1 440
1978	2 279	45 939	91 544	808	85	1 828	3 435	1 564	53 753	973	1 647
1979	2 844	48 301	96 238	927	101	2 383	4 222	1 822	56 614	1 115	2 053
1980	3 241	45 826	90 653	965	121	2 597	4 559	1 927	54 370	1 179	2 049
1981	3 276	39 971	78 283	944	159	2 444	4 430	1 857	48 402	1 192	1 883
1982	3 081	32 770	62 413	798	179	2 098	3 995	1 616	40 156	1 032	1 650
1983	3 508	39 771	80 446	1 013	200	2 605	4 909	2 105	45 943	1 219	2 152
1984	3 694	45 368	89 665	1 123	215	3 004	5 364	2 172	48 022	1 324	2 191
1985	3 739	40 733	78 567	1 100	219	3 059	5 462	2 167	45 962	1 294	2 187
1986	4 000	40 862	75 012	1 125	220	3 255	5 776	2 260	45 760	1 313	2 297
1987	10 950	43 249	68 148	1 330	284	4 008	7 538	3 286	48 381	1 532	3 340
1988	10 587	42 340	84 798	1 422	284	4 448	9 062	3 354	47 144	1 623	3 378
1989p	10 618	44 471	90 184	1 557	301	4 841	8 697	3 631	49 185	1 759	3 657

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201.

IV - 14. Wood Industries by Year, 1960-1989

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid (1 000)	Manufacturing activity: Wages ($000 000)	Manufacturing activity: Fuel and electricity ($000 000)	Manufacturing activity: Materials and supplies ($000 000)	Manufacturing activity: Value of shipments of goods ($000 000)	Manufacturing activity: Value added ($000 000)	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages ($000 000)	Total activity: Total value added ($000 000)
1960	5 730	69 101	..	222	18	561	1 007	..	82 734	278	432
1965	4 206	78 389	169 301	322	30	818	1 488	655	91 588	399	669
1970	3 330	75 225	157 535	446	36	1 139	1 951	790	87 829	552	802
1971	3 164	78 420	165 368	517	44	1 296	2 347	1 003	91 846	638	1 017
1972	3 085	87 733	182 598	623	53	1 647	3 085	1 397	102 699	771	1 422
1973	3 063	94 818	197 824	756	64	2 181	4 056	1 947	111 600	939	1 977
1974	3 111	89 297	186 506	823	75	2 242	3 991	1 708	106 620	1 038	1 748
1975	2 920	81 588	167 763	846	79	2 098	3 803	1 655	97 717	1 071	1 690
1976	2 703	90 007	187 880	1 098	105	2 770	4 999	2 207	106 178	1 353	2 236
1977	2 542	92 300	192 273	1 272	130	3 161	5 952	2 726	108 660	1 558	2 762
1978	2 928	100 491	209 594	1 482	159	3 916	7 477	3 507	119 004	1 821	3 550
1979	3 208	103 025	216 455	1 687	183	4 927	8 808	3 965	122 048	2 074	4 021
1980	3 363	98 839	207 679	1 798	205	4 865	8 397	3 398	117 307	2 217	3 466
1981	3 394	94 328	189 205	1 824	245	4 802	8 437	3 374	112 570	2 286	3 442
1982	3 345	80 726	155 324	1 653	273	4 095	7 168	2 662	97 050	2 102	2 708
1983	3 453	85 499	172 757	1 950	323	5 297	9 406	3 942	101 965	2 427	3 993
1984	3 561	86 205	174 980	2 028	351	5 657	9 973	4 006	102 941	2 541	4 051
1985	3 476	90 988	189 083	2 204	369	6 164	11 122	4 624	107 560	2 740	4 688
1986	3 578	94 888	195 281	2 295	351	6 659	12 433	5 473	110 966	2 856	5 523
1987	3 424	..	..	..	374	8 300	14 583[b]	..	121 655	3 304	6 548
1988	3 639	106 992	226 646	2 851	385	8 827	15 322	6 184	123 934	3 517	6 277
1989p	3 380	106 682	223 850	2 950	389	9 122	15 843	6 360	123 609	3 655	6 449

[a]Excluding working owners and partners.
[b]The value of manufacturing shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 15. Paper and Allied Industries by Year, 1960-1989

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1960	565	76 040	..	339	116	979	2 126	..	95 281	458	1 034
1965	601	83 994	184 072	450	158	1 386	2 882	1 347	110 180	634	1 365
1970	635	90 679	195 536	684	214	1 953	3 931	1 781	121 080	978	1 817
1971	642	90 086	191 811	731	244	2 023	4 001	1 772	119 709	1 039	1 804
1972	654	91 188	195 393	805	257	2 211	4 414	1 928	120 758	1 135	1 962
1973	649	93 123	197 883	886	284	2 536	5 271	2 439	123 138	1 248	2 476
1974	650	99 696	210 962	1 087	427	3 456	7 677	3 888	131 275	1 526	3 945
1975	665	95 794	181 293	1 055	419	3 347	7 132	3 398	127 342	1 553	3 470
1976	661	98 335	203 620	1 381	572	4 038	8 229	3 774	130 207	1 938	3 844
1977	647	94 244	195 940	1 490	697	4 238	8 938	4 004	124 463	2 080	4 032
1978	699	96 882	202 655	1 654	833	4 747	10 197	4 539	126 783	2 282	4 565
1979	732	98 667	204 986	1 802	960	5 654	12 287	5 733	128 918	2 491	5 756
1980	764	99 071	204 792	1 987	1 085	6 785	14 503	6 737	130 310	2 784	6 770
1981	758	99 491	205 525	2 243	1 299	7 595	15 729	6 944	131 024	3 146	6 965
1982	674	87 924	181 586	2 216	1 434	7 059	14 261	5 869	117 669	3 180	5 876
1983	672	86 375	178 775	2 392	1 586	7 468	15 011	5 929	114 308	3 341	5 940
1984	678	88 227	182 224	2 529	1 809	8 289	17 472	7 506	115 799	3 516	7 492
1985	688	86 477	182 423	2 699	1 831	8 712	18 075	7 555	114 187	3 745	7 524
1986	698	88 880	187 139	2 893	1 699	9 358	20 067	8 935	117 063	4 003	8 917
1987	694	..	..	..	1 704	11 296	23 012[b]	..	119 346	4 185	10 959
1988	718	90 976	193 551	3 184	1 757	11 471	25 661	12 534	121 075	4 479	12 485
1989p	746	90 781	195 159	3 329	1 880	12 131	25 848	11 985	120 106	4 689	11 959

[a]Excluding working owners and partners.
[b]The value of shipments was estimated by Forestry Canada.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

IV - 16. Sawmill, Planing Mill, and Shingle Mill Industries (S.I.C. 251) by Year, 1965-1989

		Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224	389
1970	1 854	43 914	92 625	273	24	705	1 168	450	50 226	326	453
1971	1 705	45 702	96 322	318	29	811	1 440	593	52 650	381	596
1972	1 639	51 076	106 058	385	36	1 030	1 949	894	58 909	464	898
1973	1 593	55 396	115 366	471	44	1 397	2 627	1 306	64 359	572	1 311
1974	1 609	50 615	106 377	506	50	1 341	2 380	999	59 886	623	1 005
1975	1 437	42 291	87 840	482	52	1 141	2 060	883	50 765	599	885
1976	1 282	49 528	104 249	667	70	1 647	2 969	1 309	58 221	802	1 314
1977	1 203	53 169	111 169	803	89	1 986	3 787	1 772	62 199	961	1 776
1978	1 310	58 130	122 002	944	109	2 513	4 848	2 324	68 616	1 139	2 328
1979	1 424	59 294	125 894	1 081	126	3 267	5 831	2 670	70 314	1 312	2 677
1980	1 441	57 800	122 469	1 173	143	3 205	5 430	2 150	68 312	1 423	2 155
1981	1 432	54 499	108 526	1 147	169	2 998	5 098	1 882	64 486	1 413	1 883
1982	1 338	46 295	89 306	1 055	190	2 672	4 501	1 535	55 119	1 319	1 540
1983	1 388	50 179	101 115	1 264	228	3 507	6 106	2 502	59 674	1 548	2 509
1984	1 429	50 895	102 916	1 321	246	3 722	6 404	2 468	60 415	1 626	2 468
1985	1 318	51 773	107 820	1 407	258	3 976	7 059	2 854	61 233	1 721	2 864
1986	1 294	50 708	103 676	1 401	241	4 104	7 618	3 296	59 238	1 723	3 303
1987	1 207	..	..	..	257	4 843	8 291	3 982	64 023	1 973	3 973
1988	1 191	55 111	117 479	1 688	256	5 547	9 366	3 616	63 608	2 042	3 623
1989p	1 049	52 863	111 047	1 697	254	5 671	9 475	3 549	60 685	2 048	3 549

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204, 35-250, and 31-203.

IV - 17. Shingle and Shake Industry (S.I.C. 2511) by Year, 1965-1989

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1965	64	1 422	2 793	8	--	15	25	10	1 527	9	11
1970	82	1 374	2 697	11	--	18	32	14	1 450	12	14
1971	74	1 595	3 173	14	1	22	44	22	1 687	15	22
1972	72	1 689	3 244	15	1	26	56	29	1 798	16	29
1973	74	1 753	3 415	17	1	37	68	31	1 883	18	31
1974	79	1 421	2 841	16	1	26	50	23	1 540	18	23
1975	69	1 503	2 942	20	1	28	63	34	1 609	21	34
1976	69	1 690	3 359	25	1	44	90	47	1 813	27	47
1977	71	1 637	3 319	29	2	61	115	53	1 754	31	53
1978	84	2 029	4 272	37	2	87	154	68	2 159	41	68
1979	116	1 853	3 887	40	2	92	155	60	1 986	44	60
1980	124	1 897	3 708	41	2	83	152	66	2 034	44	66
1981	119	1 583	3 117	37	2	69	125	54	1 712	40	56
1982	108	1 302	2 401	29	3	46	87	39	1 421	33	41
1983	98	1 417	2 714	34	3	64	114	46	1 539	39	46
1984	101	1 537	3 099	37	3	81	139	58	1 648	41	57
1985	107	2 157	4 213	52	4	115	196	77	2 272	56	77
1986	134	2 405	4 285	55	5	138	231	86	2 550	60	87
1987	114	..	..	..	5	133	219	85	2 043	53	86
1988	104	1 740	3 555	47	5	139	227	84	1 914	53	87
1989p	92	1 652	3 334	45	5	151	237	83	1 801	52	83

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204, 35-250, and 31-203.

IV - 18. Sawmill and Planing Mill Products Industry (S.I.C. 2512) by Year, 1960-1989

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
		Number	1 000	$000 000					Number	$000 000	
1960	3 719	36 714	..	120	10	296	530	225	..	..	..
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224	389
1970	1 772	42 540	89 928	262	24	687	1 135	436	48 776	314	439
1971	1 631	44 107	93 150	305	28	789	1 396	572	50 963	366	574
1972	1 567	49 387	102 814	370	35	1 004	1 894	865	57 111	448	869
1973	1 519	53 643	111 951	455	43	1 360	2 559	1 275	62 476	554	1 280
1974	1 530	49 194	103 535	490	49	1 315	2 330	976	58 346	605	983
1975	1 368	40 788	84 899	462	51	1 113	1 997	849	49 156	578	851
1976	1 213	47 838	100 890	642	69	1 604	2 878	1 262	56 408	774	1 268
1977	1 132	51 532	107 850	775	88	1 925	3 673	1 719	60 445	930	1 723
1978	1 226	56 101	117 730	906	107	2 426	4 694	2 257	66 457	1 098	2 260
1979	1 308	57 441	122 007	1 042	124	3 176	5 676	2 610	68 328	1 268	2 617
1980	1 317	55 903	118 761	1 132	141	3 122	5 278	2 085	66 278	1 379	2 089
1981	1 313	52 916	105 409	1 110	166	2 929	4 973	1 828	62 774	1 373	1 827
1982	1 230	44 878	86 592	1 027	188	2 608	4 387	1 489	53 698	1 286	1 494
1983	1 290	48 762	98 401	1 231	226	3 443	5 991	2 455	58 135	1 509	2 463
1984	1 328	49 358	99 818	1 284	243	3 641	6 265	2 410	58 767	1 585	2 410
1985	1 211	49 616	103 606	1 355	254	3 861	6 863	2 777	58 961	1 676	2 786
1986	1 160	48 303	99 391	1 346	236	3 966	7 387	3 209	56 688	1 663	3 216
1987	1 093	..	..	..	252	4 710	8 702	3 897	61 980	1 920	3 888
1988	1 087	53 371	113 924	1 641	251	5 408	9 139	3 532	61 694	1 989	3 536
1989p	957	51 211	107 713	1 652	249	5 520	9 237	3 465	58 884	1 997	3 466

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204, 35-250, and 31-203.

IV - 19. Veneer and Plywood Industries (S.I.C. 252) by Year, 1960-1989

Year	Estab-lishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	76	9 856	..	35	3	76	138	61	..	..	..
1965	83	12 826	27 455	55	4	120	222	101	14 265	65	102
1970	90	10 973	21 616	68	5	152	262	104	12 259	80	106
1971	88	11 363	23 360	80	6	165	312	139	12 650	93	147
1972	84	12 213	24 788	92	7	202	393	182	13 664	108	187
1973	86	13 082	26 599	110	8	255	487	226	14 478	127	232
1974	82	11 863	23 562	112	9	262	463	198	13 291	133	206
1975	83	11 367	21 346	119	10	248	458	200	12 732	141	204
1976	81	11 635	23 179	147	13	311	584	266	13 003	171	270
1977	83	12 301	24 917	174	17	351	647	283	13 695	202	285
1978	86	12 555	25 319	192	20	423	844	402	14 067	222	406
1979	83	12 212	24 470	203	21	498	888	380	13 618	236	391
1980	84	10 990	22 453	206	23	483	840	333	12 363	243	345
1981	77	9 920	18 845	197	26	466	841	351	11 323	238	357
1982	82	9 084	15 772	185	27	360	645	248	10 344	225	254
1983	82	8 596	17 289	216	32	456	853	373	9 724	256	381
1984	81	8 037	15 632	200	31	453	795	317	9 174	241	323
1985	82	7 932	15 801	210	33	486	888	363	9 058	251	370
1986	78	7 679	14 476	185	30	455	916	434	8 780	225	439
1987	78	..	..	..	33	568	1 091	494	9 347	265	496
1988	84	8 233	17 169	241	32	571	1 051	448	9 305	283	452
1989p	84	8 199	16 796	249	33	563	1 068	476	9 236	292	479

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-206, 35-250, and 31-203.

IV - 20. Sash, Door, and Other Millwork Industries (S.I.C. 254) by Year, 1960-1989

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1960	1 397	13 267	..	40	4	134	227	88	..	..	..
1965	1 007	11 108	24 868	41	3	115	209	93	14 122	58	99
1970	908	12 040	25 610	63	3	190	339	146	15 432	91	152
1971	902	12 933	27 820	73	4	223	396	172	16 494	105	180
1972	910	15 594	33 009	94	5	298	509	209	19 547	131	224
1973	943	17 078	36 298	115	6	389	658	274	21 675	163	291
1974	958	17 230	36 462	135	8	462	801	343	22 214	193	365
1975	944	18 409	38 629	165	8	519	928	405	23 083	229	433
1976	925	19 622	41 132	199	10	618	1 073	460	24 224	271	476
1977	891	18 169	38 025	200	11	607	1 079	468	22 641	275	495
1978	1 110	20 525	42 952	240	13	718	1 267	538	25 468	326	573
1979	1 223	21 067	44 175	268	15	818	1 438	618	25 972	360	652
1980	1 316	19 994	41 665	275	16	790	1 425	621	24 866	372	668
1981	1 358	20 447	42 183	321	21	905	1 701	795	25 559	436	852
1982	1 390	16 816	33 698	272	23	685	1 319	588	21 294	377	619
1983	1 440	18 488	37 930	321	26	872	1 641	759	22 925	437	791
1984	1 490	18 217	37 525	327	29	904	1 733	803	22 740	450	839
1985	1 512	21 469	45 157	390	33	1 066	2 045	951	25 884	514	995
1986	1 599	25 905	54 835	494	35	1 378	2 589	1 195	30 692	640	1 227
1987	1 538	..	..	..	39	1 703	3 162	1 436	35 474	774	1 467
1988	1 675	32 156	67 579	664	46	1 816	3 376	1 523	37 781	870	1 602
1989p	1 606	33 944	71 395	730	50	1 928	3 655	1 688	40 076	967	1 767

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-205, 35-250, and 31-203.

IV - 21. Wooden Box and Pallet Industry (S.I.C. 256) by Year, 1965-1989

		Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	160	2 642	5 824	9	1	15	35	19	3 028	11	19
1970	162	2 668	5 668	13	1	25	54	28	3 115	17	28
1971	162	2 666	5 615	14	1	26	55	28	3 109	18	28
1972	157	2 747	5 828	15	1	31	62	30	3 218	19	30
1973	162	2 913	6 176	18	1	40	79	38	3 449	23	38
1974	177	3 192	6 828	22	1	57	105	47	3 731	28	47
1975	179	3 233	6 846	26	1	57	110	52	3 752	33	52
1976	166	2 938	6 216	26	2	57	111	53	3 430	33	53
1977	160	2 869	6 028	30	2	66	134	67	3 347	40	67
1978	161	2 940	6 112	30	2	77	139	61	3 470	39	61
1979	189	3 396	7 099	42	2	104	187	81	3 938	51	81
1980	192	3 017	6 310	38	2	102	189	85	3 547	48	85
1981	191	2 874	5 986	43	3	110	207	93	3 407	55	93
1982	208	2 741	5 662	41	4	97	188	87	3 274	52	88
1983	201	2 216	4 496	32	4	85	152	64	2 556	40	65
1984	212	2 422	4 991	38	4	105	191	82	2 759	46	83
1985	193	2 493	4 966	40	5	110	198	86	2 853	49	86
1986	206	2 676	5 443	43	5	120	218	93	3 084	54	95
1987	207	..	..	..	5	139	253	109	3 508	62	109
1988	226	3 087	6 411	55	5	145	259	110	3 491	68	114
1989p	215	3 115	6 542	58	5	165	289	120	3 536	72	124

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-206, 35-250, and 31-203.

IV - 22. Coffin and Casket Industry (S.I.C. 258) by Year, 1965-1989

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1965	56	1 152	2 595	4	..	6	14	8	1 438	5	8
1970	46	1 006	2 194	5	..	7	17	10	1 260	7	10
1971	46	983	2 172	5	..	7	18	10	1 217	7	10
1972	43	973	2 113	5	..	8	18	10	1 202	7	10
1973	42	982	2 088	6	..	10	21	11	1 180	8	11
1974	43	1 000	2 051	6	..	13	26	13	1 230	9	13
1975	40	952	1 990	7	..	11	25	14	1 120	9	14
1976	38	837	1 803	7	..	10	23	12	966	8	13
1977	29	743	1 599	7	..	10	23	13	860	8	13
1978	31	721	1 507	7	..	13	27	15	846	9	15
1979	32	660	1 393	7	..	13	29	15	776	9	16
1980	38	707	1 488	9	1	15	32	16	828	11	17
1981	34	616	1 311	9	1	15	33	18	736	11	18
1982	33	643	1 340	10	1	17	36	19	741	12	19
1983	31	692	1 397	11	1	18	39	21	799	14	21
1984	31	623	1 201	10	1	18	39	20	722	12	20
1985	27	653	1 326	11	1	20	41	22	453	14	22
1986	27	622	1 316	12	1	19	43	24	717	15	24
1987	25	..	..	..	1	19	44	24	708	15	24
1988	25	648	1 368	13	1	21	49	28	751	16	28
1989p	32	685	1 352	14	1	23	49	26	784	17	26

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208, 35-250, and 31-203.

IV - 23. Other Wood Industries (S.I.C. 259) by Year, 1965-1989

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1965	277	4 762	10 276	17	2	45	86	40	5 796	23	41
1970	271	4 624	9 821	24	3	59	112	52	5 537	31	53
1971	260	4 773	10 079	27	3	64	126	60	5 726	35	61
1972	252	5 130	10 803	32	4	77	153	72	6 159	41	73
1973	237	5 367	11 298	36	5	90	184	91	6 459	47	93
1974	242	5 397	11 226	42	6	109	217	108	6 268	52	110
1975	237	5 336	11 112	48	7	121	222	100	6 265	59	101
1976	211	5 447	11 308	54	10	127	239	106	6 335	67	110
1977	186	5 049	10 536	57	11	142	282	124	5 918	72	126
1978	230	5 620	11 703	69	14	173	351	166	6 537	85	167
1979	252	6 396	13 424	86	18	226	436	201	7 430	107	204
1980	292	6 331	13 294	97	20	269	481	193	7 391	119	197
1981	302	5 972	12 354	107	26	307	558	235	7 059	133	239
1982	296	5 262	9 860	92	27	282	506	192	6 278	118	193
1983	311	5 328	10 529	105	32	360	615	223	6 287	132	226
1984	328	6 011	12 716	132	41	455	810	316	7 131	166	319
1985	344	6 668	14 013	146	40	507	890	349	7 779	180	352
1986	374	7 298	15 536	160	39	582	1 049	432	8 445	199	435
1987	369	..	..	..	40	632	1 140	476	8 595	216	478
1988	438	7 757	16 639	190	46	727	1 222	457	8 998	238	457
1989p	394	7 876	16 718	202	45	773	1 308	501	9 292	258	504

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-206, 35-250, and 31-203.

IV - 24. Wood Preservation Industry (S.I.C. 2591) by Year, 1965-1989

Year	Establishments	Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1965	31	1 178	2 465	5	1	19	34	15	1 456	7	15
1970	34	1 048	2 212	7	1	21	39	17	1 357	10	18
1971	30	1 154	2 443	8	1	26	45	19	1 448	11	20
1972	31	1 148	2 509	9	1	27	51	22	1 465	12	22
1973	33	1 125	2 418	10	1	32	61	27	1 452	14	28
1974	36	1 281	2 622	13	2	42	80	39	1 506	16	41
1975	36	1 320	2 721	14	2	54	88	37	1 627	19	37
1976	36	1 199	2 341	13	2	49	81	32	1 481	18	34
1977	34	1 188	2 418	16	2	58	102	39	1 474	21	40
1978	38	1 446	2 985	20	3	69	120	48	1 733	25	48
1979	41	1 364	2 784	21	3	82	132	51	1 672	27	52
1980	40	1 416	2 900	26	3	94	150	56	1 687	31	59
1981	43	1 295	2 656	26	4	106	168	60	1 572	32	62
1982	45	1 128	2 166	24	6	100	166	61	1 388	31	61
1983	47	1 019	1 987	23	5	111	171	54	1 249	29	56
1984	50	1 185	2 453	30	7	154	236	75	1 443	37	78
1985	51	1 070	2 197	27	6	150	214	63	1 348	36	65
1986	59	1 190	2 328	28	6	174	250	74	1 490	39	78
1987	61	..	..	..	6	189	270	81	1 559	40	84
1988	71	1 184	2 426	30	5	229	314	85	1 477	43	87
1989p	74	1 292	2 691	35	6	245	343	100	1 630	50	100

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-206, 35-250, and 31-203.

IV - 25. Particleboard and Waferboard Industries (S.I.C. 2592-2593) by Year, 1970-1989

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Total employees[a]: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
A. Particleboard and waferboard											
1970	9	674	1 512	4	1	8	18	9	783	5	9
1975	14	1 192	2 413	13	3	26	51	23	1 377	16	22
1976	18	1 634	3 340	20	6	41	77	33	1 889	24	33
1977	17	1 590	3 221	21	8	48	102	45	1 841	26	44
1978	17	1 720	3 616	28	10	65	148	74	2 018	34	74
1979	18	2 056	4 310	35	13	86	183	89	2 407	43	89
1980	17	1 807	3 794	36	14	97	186	71	2 149	44	70
1981	21	1 974	4 096	44	18	118	226	95	2 366	55	95
B. Particleboard (S.I.C. 2592)											
1982	17	928	1 914	20	10	64	122	48	1 138	26	47
1983	19	1 014	1 972	23	11	81	149	57	1 223	31	57
1984	19	1 201	2 592	30	13	90	197	94	1 525	42	93
1985	23	1 353	2 872	36	14	120	228	94	1 683	47	93
1986	25	1 541	3 539	42	14	154	296	128	1 911	55	126
1987	25	..	..	..	15	169	342	161	2 018	62	159
1988	28	1 611	3 736	48	15	179	349	158	2 010	62	156
1989p	29	1 579	3 458	50	16	186	345	143	2 110	70	141
C. Waferboard (S.I.C. 2593)											
1982	10	971	1 505	17	8	45	78	21	1 142	22	21
1983	11	1 003	2 032	25	11	76	130	43	1 199	31	43
1984	11	1 210	2 727	34	16	111	189	62	1 429	41	61
1985	11	1 269	2 705	36	15	116	232	101	1 530	45	102
1986	11	1 182	2 572	36	14	118	248	117	1 393	44	115
1987	11	..	..	..	14	131	264	118	1 506	50	116
1988	13	1 518	3 462	51	17	169	285	99	1 858	65	97
1989p	12	1 467	3 157	52	15	187	336	134	1 806	65	136

[a] Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208, 35-250, and 31-203.

IV - 26. Pulp and Paper Industries (S.I.C. 271) by Year, 1960-1989

		Manufacturing activity							Total activity		
		Production and related workers							Total employees[a]		
Year	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
			1 000	$000 000						$000 000	
1960	126	53 313	..	260	111	658	1 583	815	..	..	..
1965	132	58 074	128 006	339	151	924	2 104	1 034	69 897	424	1 042
1970	139	62 025	134 291	512	204	1 334	2 851	1 323	80 371	701	1 331
1971	142	61 426	130 766	546	233	1 364	2 832	1 273	79 397	746	1 277
1972	141	61 196	131 426	594	244	1 484	3 128	1 374	78 969	809	1 380
1973	146	61 783	131 688	645	271	1 701	3 791	1 804	80 085	884	1 813
1974	147	66 584	142 883	803	409	2 307	5 703	3 034	86 203	1 097	3 049
1975	147	64 329	117 176	755	399	2 192	5 122	2 569	84 046	1 092	2 601
1976	147	66 946	139 464	1 033	546	2 733	5 993	2 845	86 995	1 416	2 876
1977	145	64 930	135 108	1 130	668	2 911	6 637	3 056	84 533	1 541	3 070
1978	144	66 039	138 834	1 253	798	3 255	7 649	3 504	85 601	1 697	3 508
1979	146	66 878	139 305	1 355	919	3 848	9 282	4 539	87 055	1 847	4 531
1980	144	66 252	137 699	1 486	1 037	4 605	10 908	5 350	86 872	2 050	5 355
1981	144	67 170	139 183	1 670	1 240	5 063	11 619	5 406	87 882	2 310	5 401
1982	142	62 626	129 840	1 729	1 376	4 877	10 689	4 535	83 104	2 442	4 515
1983	137	60 200	125 563	1 838	1 522	5 092	11 082	4 410	79 164	2 528	4 380
1984	142	61 018	126 952	1 922	1 736	5 633	13 112	5 845	79 404	2 638	5 802
1985	137	58 830	126 105	2 047	1 751	5 867	13 407	5 773	77 562	2 811	5 720
1986	142	60 386	128 137	2 189	1 619	6 335	15 072	7 020	79 570	2 999	6 974
1987	144	..	..	..	1 622	7 173	17 734	8 895	80 334	3 114	8 852
1988	145	60 874	132 312	2 405	1 672	7 991	19 850	10 285	81 058	3 332	10 182
1989p	147	60 774	133 429	2 510	1 793	8 532	19 812	9 634	80 595	3 491	9 550

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-204, 36-250, and 31-203.

IV - 27. Asphalt Roofing Industry (S.I.C. 272) by Year, 1965-1989

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1965	21	1 291	2 899	6	1	30	58	26	1 942	10	30
1970	14	618	1 436	4	1	22	39	17	1 141	9	19
1971	14	727	1 706	6	1	29	51	22	1 218	10	25
1972	14	815	1 919	7	1	34	63	28	1 277	12	31
1973	15	919	2 088	8	1	41	77	33	1 375	13	37
1974	15	916	2 109	9	2	54	102	49	1 403	15	52
1975	15	963	2 189	11	2	69	121	51	1 438	18	53
1976	15	1 034	2 177	13	3	87	148	60	1 549	21	63
1977	15	998	2 127	14	4	91	154	62	1 540	22	64
1978	17	1 043	2 169	15	4	111	179	64	1 467	23	67
1979	18	997	2 067	15	5	138	209	72	1 471	24	81
1980	17	891	1 874	15	5	160	244	78	1 393	26	92
1981	16	806	1 637	15	6	167	269	90	1 301	27	100
1982	16	768	1 562	15	7	162	271	102	1 269	26	107
1983	17	1 025	2 103	25	8	215	306	89	1 424	36	102
1984	17	1 168	2 366	27	12	216	354	131	1 537	38	133
1985	18	1 177	2 472	29	13	223	367	134	1 562	41	136
1986	19	1 333	2 838	35	15	233	450	198	1 904	54	208
1987	19	..	..	..	15	242	458	198	2 008	62	206
1988	17	1 292	2 621	37	12	213	433	203	1 869	59	209
1989p	18	1 235	2 552	38	14	218	448	219	1 760	58	230

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215, 36-250, and 31-203.

IV - 28. Paper Box and Bag Industries (S.I.C. 273) by Year, 1965-1989

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1965	244	15 898	34 274	102	3	284	458	172	20 952	100	173
1970	269	17 505	37 569	108	5	389	656	266	23 497	160	270
1971	268	17 527	37 231	116	6	412	701	285	23 387	170	290
1972	268	18 393	39 435	132	7	455	771	313	24 335	191	320
1973	265	19 249	40 698	150	7	518	881	358	25 282	214	366
1974	269	20 187	41 236	177	9	718	1 182	480	26 247	252	498
1975	286	18 791	38 173	182	11	698	1 171	458	24 799	266	470
1976	284	18 882	38 509	215	13	784	1 310	526	24 891	306	537
1977	280	18 086	37 675	231	16	811	1 355	525	23 837	329	528
1978	296	18 680	38 925	252	18	904	1 502	589	24 259	351	591
1979	316	19 125	39 688	276	21	1 057	1 718	653	24 607	382	657
1980	331	19 713	40 238	306	25	1 226	2 000	765	25 443	430	767
1981	331	19 255	39 496	349	31	1 452	2 303	832	25 131	492	835
1982	255	14 087	28 519	275	26	1 115	1 800	664	18 492	394	667
1983	248	14 447	29 270	313	29	1 217	1 989	752	18 641	435	750
1984	249	14 684	30 045	343	32	1 399	2 238	821	19 004	473	819
1985	251	14 919	30 065	366	35	1 493	2 369	848	19 174	504	847
1986	253	14 996	30 960	391	33	1 567	2 496	895	19 214	533	897
1987	250	..	..	..	35	1 663	2 682	989	19 789	563	985
1988	267	15 879	32 986	438	40	1 933	3 079	1 119	20 837	623	1 124
1989p	282	15 954	32 644	456	39	1 962	3 147	1 142	20 749	652	1 143

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-216, 36-250, and 31-203.

IV - 29. Other Converted Paper Products Industries (S.I.C. 279) by Year, 1965-1989

Year	Establishments	Manufacturing activity: Production and related workers: Number	Manufacturing activity: Production and related workers: Person-hours paid	Manufacturing activity: Wages	Manufacturing activity: Fuel and electricity	Manufacturing activity: Materials and supplies	Manufacturing activity: Value of shipments of goods	Manufacturing activity: Value added	Total activity: Total employees[a]: Number	Total activity: Salaries and wages	Total activity: Total value added
			1 000	$000 000						$000 000	
1965	204	8 731	18 892	37	3	147	262	115	12 215	58	120
1970	213	10 531	22 240	60	4	208	384	176	16 071	108	197
1971	218	10 406	22 108	63	4	219	416	193	15 707	113	212
1972	231	10 784	22 613	71	5	239	453	213	16 177	124	231
1973	223	11 172	23 409	82	5	276	522	243	16 396	137	261
1974	219	12 009	24 733	98	7	377	690	326	17 422	162	347
1975	217	11 711	23 755	107	7	389	717	320	17 059	178	345
1976	215	11 473	23 469	119	9	435	778	343	16 772	195	368
1977	207	10 230	21 030	115	10	426	793	360	14 553	187	370
1978	242	11 120	22 728	134	13	477	867	382	15 456	211	399
1979	252	11 667	23 926	156	15	611	1 077	469	15 785	238	488
1980	272	12 215	24 979	179	18	795	1 351	544	16 602	278	556
1981	267	12 260	25 209	210	23	912	1 539	615	16 710	317	630
1982	260	10 443	21 665	197	25	910	1 502	568	14 804	317	586
1983	270	10 703	21 839	216	26	943	1 634	678	15 079	342	709
1984	270	11 357	22 862	237	29	1 041	1 768	709	15 854	367	738
1985	282	11 551	23 781	257	32	1 128	1 931	799	15 889	389	821
1986	284	12 165	25 205	277	30	1 222	2 047	822	16 375	417	840
1987	281	..	..	..	32	1 287	2 200	888	17 215	446	918
1988	289	12 931	25 632	304	33	1 334	2 299	928	17 311	464	970
1989p	299	12 818	26 534	325	34	1 420	2 441	989	17 002	488	1 036

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215, 36-250, and 31-203.

IV - 30. Manufacturing Industries, 1988

Manufacturing industries[b]	S.I.C.[c]	Establishments	Manufacturing activity							Total activity		
			Production and related workers							Total employees[a]		
			Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Number	Salaries and wages	Total value added
				1 000	$000 000						$000 000	
A. Forestry												
Sawmills, planing mills	2512	1 087	53 371	113 924	1 641	251	5 408	9 139	3 532	61 694	1 989	3 536
Shingle and shake industry	2511	104	1 740	3 555	47	5	139	227	84	1 914	53	87
Pulp and paper mills	271	145	60 874	132 312	2 405	1 672	7 991	19 850	10 285	81 058	3 332	10 182
Other wood industries	252-259	2 448	51 881	109 166	1 163	130	3 280	5 956	2 567	60 326	1 475	2 654
Other paper industries	272-279	573	30 102	61 239	779	85	3 479	5 811	2 250	40 017	1 147	2 303
Furniture and fixtures	261-269	1 947	54 372	114 425	1 080	63	2 261	4 620	2 312	62 373	1 344	2 343
Printing and publishing	281-284	5 618	83 347	165 938	2 354	106	4 843	12 526	7 612	133 763	4 025	7 831
B. Agriculture												
Food, feed, beverages, tobacco	101,103-122	3 166	136 872	282 656	3 566	634	26 047	42 020	15 355	206 471	6 025	16 869
C. Fishing												
Fish products	102	453	27 046	52 403	459	46	1 786	2 784	965	31 086	574	1 095
D. Mining												
Smelting and refining	291, 295	95	58 727	124 321	2 308	1 012	7 658	16 248	7 854	78 358	3 229	7 916
Metal semi-fabricated products	292-294, 296-299, 351-359	2 069	71 173	151 814	2 071	679	7 117	14 272	6 614	88 153	2 755	6 831
Metal-fabricated products	301-309	6 004	141 228	295 243	3 490	283	9 339	17 946	8 404	168 796	4 482	8 698
E. Energy												
Petroleum and coal products	361-369	141	6 837	15 318	319	295	11 323	14 274	2 254	15 610	726	2 280
F. Other												
Machinery (except electrical)	311-319	2 182	69 593	145 954	1 747	110	5 050	10 012	4 960	91 255	2 529	5 194
Transportation equipment	321-329	1 674	182 229	399 514	5 782	414	35 887	51 718	15 478	232 735	7 863	17 169
Electrical products	331-339	1 631	103 779	214 157	2 625	154	9 332	18 192	8 841	150 460	4 435	9 758
Chemicals, chemical products	371-379	1 438	50 733	108 089	1 567	927	10 454	22 628	11 360	93 860	3 274	12 348
Textile and clothing	181-249	4 019	153 085	318 168	2 583	220	6 875	13 241	6 203	177 375	3 409	6 467
Miscellaneous products	151-169, 171, 391-399	5 468	136 343	278 559	2 870	281	8 236	15 973	7 502	171 678	4 132	8 243
G. Total	...	40 262	1 473 332	3 086 755	38 856	7 363	166 506	297 436	124 431	1 946 982	56 797	131 806

[a]Excluding working owners and partners.
[b]Excluding primary industries.
[c]1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

SECTION V

EMPLOYMENT

Labor Force Survey

Labor Force Survey statistics are based on information obtained through a sample survey of households. Interviews are carried out in about 48 000 representative households across the country.

The sample used in the surveys of the labor force has been designed to represent all persons in the population 15 years of age and over residing in Canada, with the exception of the following: residents of the Yukon and Northwest Territories, persons living on Indian reserves, inmates of institutions, and full-time members of the armed forces.

A comprehensive description of the design of the Labor Force Surveys, and a complete list of Self-Representative Units, can be found in "Methodology of the Canadian Labour Force Survey," Statistics Canada, Catalogue 71-526, Ottawa, 1990.

Employment: Employed persons are those who, during the reference week, a) did any work at all; b) had a job, but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labor dispute, vacation, or other reasons (excluding persons on layoff and those with a job to start at a definite date in the future).

Census of Manufactures

The Census of Manufactures is an annual survey of the manufacturing industries of Canada.

Data are accepted for any fiscal year ending not earlier than April 1 of the reference year, nor later than March 31 of the following year. However, data on small establishments based on financial statements submitted to Revenue Canada relate to the taxation year, that is, any reporting year ending in the calendar year. These practices should be kept in mind in comparing census data with those compiled on a calendar year basis.

For detailed definitions and some qualifications to the preceding explanations, see Concepts and Definitions of the Census of Manufactures, Catalogue 31-528.

Employment: Excludes working owners and partners of unincorporated businesses, which are separately tabulated, and outside pieceworkers. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those at the establishment engaged in processing, assembling, storing, inspecting, handling, packing, maintenance, repair, janitorial and security services, and working foremen. Administrative office and other non-manufacturing employees include all functions at head offices, sales offices, and auxiliary units as well as cafeteria workers, research personnel, truck drivers, etc.

V - 1. Employment by Industry Sector[a], 1970-1991

Year	Forestry related							Mining related				Agriculture related			Fishing					
			Wood industries		Paper and allied industries															
	Logging	Forestry services	Sawmills, planing, shingle mills	Total	Pulp and paper mills	Total	Printing, publishing, furniture, fixtures	Crude ores, concentrates	Smelting and refining	Metal: semi fabricated	Metal: fabricated	Agriculture	Agricultural services	Food, feed, beverages, tobacco[b]	Fishing, fishing services	Fish products	Energy	Construction	Other	Total
	1 000 persons																			
1970	..	..	..	..	..	..	..	..	..	..	..	513	..	..	..	..	..	467	..	7 919
1975	50	10	54	93	91	130	171	109	86	90	161	483	14	223	21	21	153	603	6 866	9 284
1976	61	9	74	117	103	143	168	111	92	100	147	472	15	235	19	24	163	635	6 966	9 477
1977	58	12	69	118	92	128	180	108	87	97	148	464	15	235	19	26	168	634	7 154	9 651
1978	64	13	77	130	97	140	187	103	88	105	152	474	13	241	21	32	191	634	7 399	9 987
1979	65	12	84	140	99	141	188	106	92	97	165	484	14	235	28	37	198	644	7 749	10 395
1980	61	10	78	135	101	143	197	120	110	99	172	479	16	232	32	37	217	624	8 024	10 706
1981	66	11	78	139	100	145	197	125	118	96	179	473	15	240	33	35	296	651	8 182	11 001
1982	51	11	58	107	92	136	204	96	97	85	147	450	15	230	31	33	274	595	8 056	10 618
1983	63	11	62	114	86	124	206	90	89	78	133	463	17	226	35	33	260	562	8 171	10 675
1984	62	13	64	115	90	125	209	96	89	83	137	459	21	217	32	32	218	564	8 460	10 932
1985	56	11	58	108	87	120	205	105	94	87	140	457	19	223	32	29	222	579	8 734	11 221
1986	56	11	62	122	78	111	222	98	90	81	152	444	23	216	36	34	214	618	9 003	11 531
1987	54	14	66	131	83	120	235	102	95	83	158	439	23	224	36	33	207	673	9 234	11 861
1988	60	11	64	136	98	132	231	102	110	82	157	423	21	225	40	36	219	726	9 533	12 244
1989	56	13	66	135	105	145	241	107	120	62	155	404	24	220	39	34	220	764	9 747	12 486
1990	48	14	60	126	96	131	223	103	111	74	157	401	27	211	40	29	222	778	9 877	12 572
1991	48	14	56	115	92	122	..	..	..	..	..	..	..	..	44	..	..	695	..	12 340

[a] Unadjusted series.
[b] Excluding fish products.

Source: Statistics Canada Cat. No. 71-201, Labour Force Survey.

V - 2. Employment by Province[a], 1970-1991

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
A. Employed labor force						1 000 persons					
1970	129	35	256	192	2 128	3 037	371	333	633	805	7 919
1975	152	42	292	224	2 434	3 576	417	365	788	995	9 264
1976	157	42	292	226	2 456	3 643	425	378	838	1 021	9 477
1977	159	43	292	224	2 476	3 708	428	390	880	1 050	9 651
1978	162	45	303	234	2 530	3 835	439	398	937	1 103	9 987
1979	170	46	311	243	2 619	3 993	450	411	1 007	1 144	10 395
1980	178	47	321	249	2 694	4 053	458	417	1 078	1 213	10 708
1981	179	47	322	253	2 723	4 171	461	425	1 151	1 270	11 001
1982	173	45	313	242	2 574	4 063	454	426	1 127	1 202	10 618
1983	172	48	319	245	2 616	4 089	459	434	1 102	1 190	10 675
1984	174	49	335	247	2 692	4 235	470	436	1 104	1 191	10 932
1985	174	50	333	255	2 768	4 377	475	446	1 124	1 220	11 221
1986	179	51	341	262	2 825	4 524	486	452	1 142	1 270	11 531
1987	183	52	350	272	2 918	4 689	492	453	1 147	1 306	11 861
1988	193	54	366	280	3 001	4 862	494	451	1 187	1 358	12 244
1989	201	54	373	284	3 031	4 949	498	446	1 214	1 435	12 486
1990	201	55	379	291	3 055	4 937	505	449	1 231	1 469	12 572
1991	197	53	371	286	2 987	4 770	494	449	1 246	1 489	12 340
B. Unemployment rate (%)											
1970	7.3	x	5.3	6.3	7.0	4.4	5.3	4.2	5.1	7.7	5.7
1975	14.0	8.0	7.7	9.8	8.1	6.3	4.5	2.9	4.1	8.5	6.9
1976	13.3	9.6	9.5	11.0	8.7	6.2	4.7	3.9	4.0	8.6	7.1
1977	15.5	9.8	10.6	13.2	10.3	7.0	5.9	4.5	4.5	8.5	8.1
1978	16.2	9.8	10.5	12.5	10.9	7.2	6.5	4.9	4.7	8.3	8.3
1979	15.1	11.2	10.1	11.1	9.6	6.5	5.3	4.2	3.9	7.6	7.4
1980	13.3	10.6	9.7	11.0	9.8	6.8	5.5	4.4	3.7	6.8	7.5
1981	13.9	11.2	10.1	11.5	10.3	6.6	5.9	4.6	3.8	6.7	7.5
1982	16.7	12.9	13.1	14.1	13.8	9.7	8.5	6.1	7.7	12.1	11.0
1983	18.7	12.2	13.2	14.8	13.9	10.3	9.4	7.3	10.6	13.8	11.8
1984	20.2	12.8	13.0	14.8	12.8	9.0	8.4	8.0	11.1	14.7	11.2
1985	20.8	13.3	13.8	15.1	11.8	8.0	8.2	8.1	10.0	14.1	10.5
1986	19.2	13.4	13.1	14.3	11.0	7.0	7.7	7.7	9.8	12.5	9.5
1987	17.9	13.2	12.3	13.1	10.3	6.1	7.4	7.4	9.6	11.9	8.8
1988	16.4	13.0	10.2	12.0	9.4	5.0	7.8	7.5	8.0	10.3	7.8
1989	15.8	14.1	9.9	12.5	9.3	5.1	7.5	7.4	7.2	9.1	7.5
1990	17.1	14.9	10.5	12.1	10.1	6.3	7.2	7.0	7.0	8.3	8.1
1991	18.4	16.8	12.0	12.7	11.9	9.6	8.8	7.4	8.2	9.9	10.3

[a]Unadjusted series.

Source: Statistics Canada. Cat. No. 71-201, Labour Force Survey.

V - 3. Employment in the Forest Industries by Sector[a], 1961-1989

Year	Logging	Wood industries						Paper and allied industries			Total forest industries
		Sawmills and planing mills	Shingle and shake industry	Veneer and plywood industries	Sash, door, and other millwork industries	Other wood industries	Total	Pulp and paper mills	Other paper industries	Total	
1961	..	46 688	..	..	..	35 397	82 085	63 789	34 503	98 292	..
1965	60 701	50 848	1 527	14 265	14 122	10 826	91 588	69 897	40 283	110 180	262 469
1970	52 230	48 776	1 450	12 259	15 432	9 912	87 829	80 371	40 709	121 080	261 139
1971	47 284	50 963	1 687	12 650	16 494	10 052	91 846	79 397	40 312	119 709	258 839
1972	47 553	57 111	1 798	13 664	19 547	10 579	102 699	78 969	41 789	120 758	271 010
1973	57 586	62 476	1 883	14 478	21 675	11 088	111 600	80 085	43 053	123 138	292 324
1974	59 491	58 346	1 540	13 291	22 214	11 229	106 620	86 203	45 072	131 275	297 386
1975	53 622	49 156	1 609	12 732	23 083	11 137	97 717	84 046	43 296	127 342	278 681
1976	49 878	56 408	1 813	13 003	24 224	10 730	106 178	86 995	43 212	130 207	286 263
1977	49 445	60 445	1 754	13 695	22 641	10 125	108 660	84 533	39 930	124 463	282 568
1978	53 753	66 457	2 159	14 067	25 468	10 853	119 004	85 601	41 182	126 783	299 540
1979	56 614	68 328	1 986	13 618	25 972	12 144	122 048	87 055	41 863	128 918	307 580
1980	54 370	66 278	2 034	12 363	24 866	11 766	117 307	86 872	43 438	130 310	301 987
1981	48 402	62 774	1 712	11 323	25 559	11 202	112 570	87 882	43 142	131 024	291 996
1982	40 156	53 698	1 421	10 344	21 294	10 293	97 050	83 104	34 565	117 669	254 875
1983	45 943	58 135	1 539	9 724	22 925	9 642	101 965	79 164	35 144	114 308	262 216
1984	48 022	58 767	1 648	9 174	22 740	10 612	102 941	79 404	36 395	115 799	266 762
1985	45 962	58 961	2 272	9 058	25 884	11 385	107 560	77 562	36 625	114 187	267 709
1986	45 760	56 688	2 550	8 780	30 692	12 256	110 966	79 570	37 493	117 063	273 789
1987	48 381	61 980	2 043	9 347	35 474	12 811	121 655	80 334	39 012	119 346	289 382
1988	47 144	61 694	1 914	9 305	37 781	13 240	123 934	81 058	40 017	121 075	292 153
1989p	49 185	58 884	1 801	9 236	40 076	13 612	123 609	80 595	39 511	120 106	292 900

[a]Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202, Census of Manufactures.

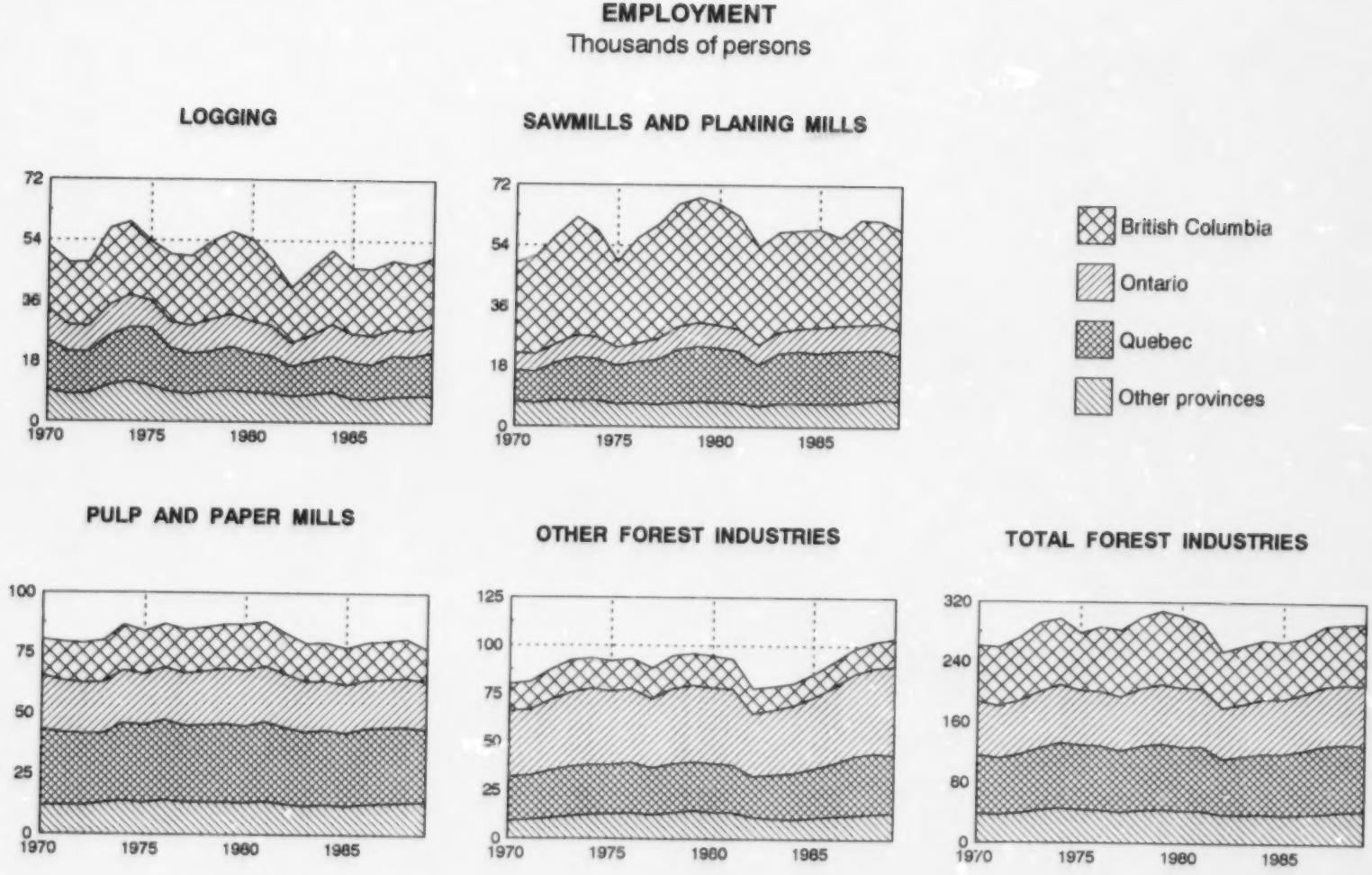

Figure 26. Employment in the forest industries by sector and region, 1970-1989.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

V - 4. Employment by Forest Industry Sector and Province[a], 1970-1989

Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada[b]
A. Logging											
1970	2 439	-	1 523	3 599	14 815	9 567	386	549	747	18 581	52 230
1975	2 319	-	1 592	4 134	17 288	8 028	769	851	1 141	17 500	53 622
1976	1 588	-	1 117	3 852	13 135	7 694	670	616	1 052	20 154	49 878
1977	1 625	-	1 098	3 547	11 834	8 447	567	511	980	20 836	49 445
1978	1 324	-	1 229	4 269	11 959	9 569	578	616	1 041	23 168	53 753
1979	x	x	1 178	4 377	13 065	9 684	500	682	1 151	24 474	56 614
1980	x	x	1 083	4 140	11 575	9 578	527	605	1 020	24 270	54 370
1981	1 580	5	1 030	3 808	11 257	9 003	578	599	981	19 561	48 402
1982	1 614	12	1 021	3 188	8 994	7 079	449	575	853	16 371	40 156
1983	1 328	9	1 190	4 051	9 881	7 826	446	560	746	19 906	45 943
1984	1 241	11	1 244	3 217	10 504	9 326	554	617	722	20 586	48 022
1985	1 205	x	1 472	2 831	10 802	8 482	423	532	714	19 488	45 962
1986	1 067	18	1 246	2 970	10 363	8 527	352	506	863	19 848	45 760
1987	939	x	1 500	3 224	12 342	7 932	444	523	990	20 449	48 381
1988	1 008	25	1 403	3 614	11 734	7 566	445	379	1 092	19 871	47 144
1989p	1 023	31	1 316	3 863	12 751	7 756	432	374	1 304	20 316	49 186
B. Wood industries											
1970	429	59	2 182	3 605	19 483	16 664	1 233	933	4 852	38 329	87 829
1975	482	x	2 210	3 838	23 959	19 284	1 957	1 593	5 614	38 655	97 717
1976	392	87	2 234	3 949	25 239	19 872	1 903	1 552	6 250	44 645	106 178
1977	380	110	2 001	3 487	25 345	20 110	1 835	1 656	6 100	47 605	108 660
1978	414	194	2 203	3 759	29 132	21 942	1 998	1 803	6 571	50 955	119 004
1979	374	x	2 151	4 338	29 782	22 902	2 060	1 867	6 967	51 369	122 048
1980	330	162	1 980	4 245	29 213	21 348	1 993	1 596	6 634	49 708	117 307
1981	334	128	1 802	3 956	27 976	20 970	2 158	1 620	6 904	46 627	112 570
1982	263	112	1 618	3 151	23 566	19 011	1 852	1 343	5 765	40 309	97 050
1983	380	139	1 879	3 510	27 367	19 562	2 010	x	5 418	40 392	101 965
1984	335	219	1 867	3 503	28 603	20 840	1 932	1 233	5 508	38 901	102 941
1985	445	208	1 995	3 764	29 588	23 207	2 104	1 260	5 386	39 603	107 560
1986	399	207	2 053	4 205	31 891	25 852	2 223	1 264	5 668	37 204	110 966
1987	472	235	2 145	4 441	34 250	28 040	2 211	1 354	6 0[illegible]2	42 425	121 655
1988	478	272	2 235	4 620	34 149	29 185	2 474	1 445	6 793	42 283	123 934
1989p	454	233	2 209	4 555	32 146	30 655	2 411	1 446	7 084	42 416	123 609

V - 4. Employment by Forest Industry Sector and Province[a], 1970-1989 (concluded)

Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada[b]
C. Paper and allied industries											
1970	x	-	2 850	5 575	43 743	44 894	1 835	x	1 622	17 089	121 060
1975	x	-	3 309	5 898	44 695	45 178	2 284	x	2 208	20 225	127 342
1976	x	-	3 336	6 433	45 923	45 645	2 240	x	2 336	20 404	130 207
1977	x	-	3 338	6 124	43 633	43 488	2 089	x	2 254	20 320	124 463
1978	x	-	3 513	5 980	43 736	45 209	2 159	x	2 338	20 655	126 783
1979	x	-	3 175	6 145	44 333	46 172	x	x	2 575	20 998	128 918
1980	x	-	3 163	6 016	43 556	47 861	2 408	x	2 384	21 540	130 310
1981	x	-	3 340	x	45 011	47 381	2 361	x	2 499	20 660	131 024
1982	x	-	x	5 484	41 457	41 597	2 041	x	2 210	18 458	117 669
1983	x	-	2 877	5 143	40 829	41 001	1 859	x	2 239	17 390	114 308
1984	x	-	2 993	5 738	41 107	41 690	1 748	x	2 187	17 433	115 799
1985	x	-	3 102	5 609	41 231	40 990	1 526	x	2 264	16 850	114 187
1986	x	-	3 136	6 351	42 470	41 429	1 507	x	2 297	17 254	117 063
1987	x	-	3 244	6 125	43 259	42 316	1 682	x	2 361	17 662	119 346
1988	x	x	3 425	6 291	43 203	42 794	1 755	x	2 479	18 207	121 076
1989p	x	x	3 355	6 173	42 056	42 333	1 797	x	2 717	18 643	120 106
D. Forest industries											
1970	x	x	6 555	12 779	78 041	71 125	3 454	x	7 221	73 999	261 139
1975	x	x	7 111	13 870	85 942	72 490	5 010	x	8 963	76 380	278 681
1976	x	87	6 687	14 234	84 297	73 211	4 813	x	9 638	85 203	286 263
1977	x	110	6 437	13 158	80 812	72 045	4 491	x	9 334	88 761	282 568
1978	x	194	6 945	14 008	84 827	76 720	4 735	x	9 850	94 778	299 540
1979	x	x	6 504	14 860	87 180	78 758	x	x	10 693	96 841	307 580
1980	x	x	6 226	14 446	84 344	78 787	4 928	x	10 038	95 518	301 987
1981	x	133	6 172	x	84 244	77 354	5 097	x	10 384	86 848	291 996
1982	x	124	x	11 823	74 017	67 687	4 342	x	8 828	75 138	254 875
1983	x	148	5 946	12 704	78 077	68 389	4 315	x	8 403	77 688	262 216
1984	x	230	6 104	12 458	80 214	71 167	4 232	x	8 417	76 920	266 762
1985	x	x	6 569	12 204	81 621	72 679	4 053	x	8 364	75 941	267 709
1986	x	225	6 435	13 526	84 724	75 808	4 082	x	8 828	74 306	273 789
1987	x	x	6 889	13 790	89 851	78 288	4 337	x	9 433	80 536	289 382
1988	x	x	7 063	14 525	89 086	79 545	4 674	x	10 364	80 361	292 153
1989p	x	x	6 880	14 591	89 953	80 744	4 640	x	11 105	81 375	292 900

[a]Census of manufactures.
[b]Including Yukon and Northwest Territories.

Source: Statistics Canada Cat. No. 25-202.

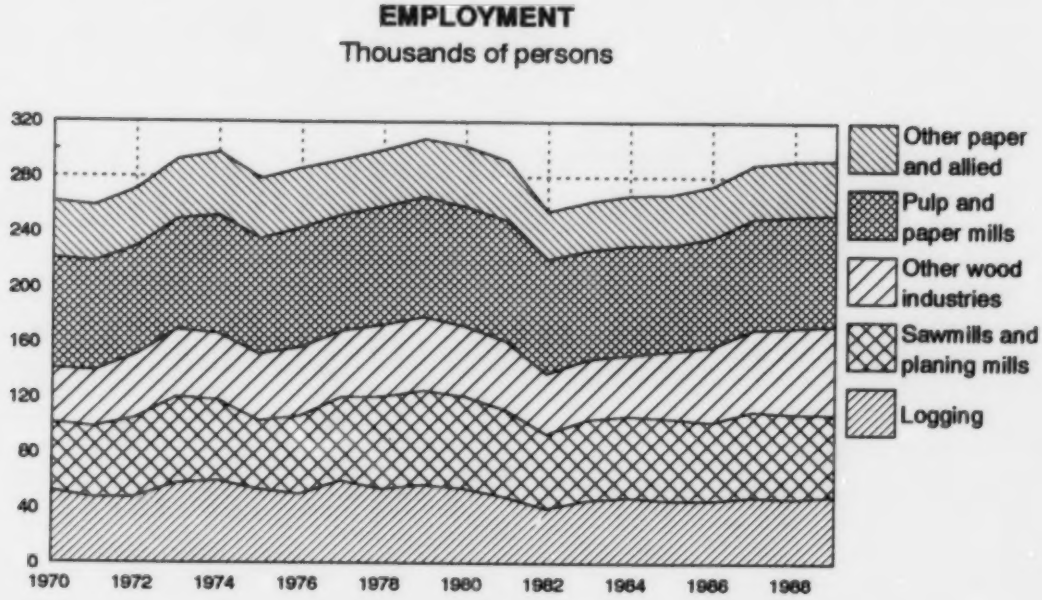

Figure 27. Employment in the forest industries by sector, 1970-1989.

Source: Statistics Canada, Census of manufactures, Cat. No. 25-202.

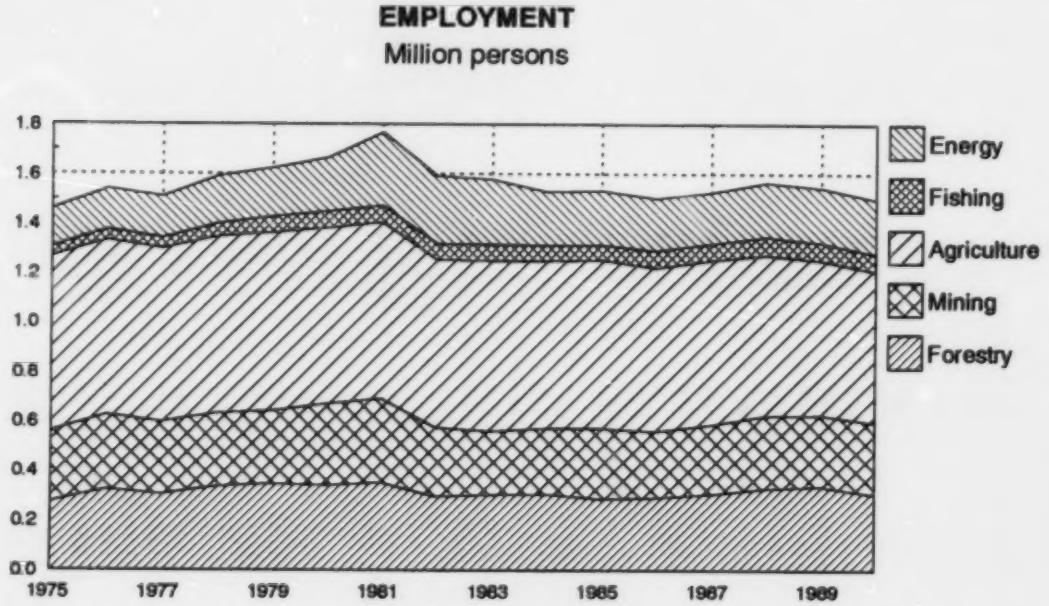

Figure 28. Employment by industry sector, 1975-1990.

Source: Statistics Canada, Cat. No. 71-201 and Labour Force Survey.

SECTION VI

SELLING PRICE INDEXES AND

ANNUAL AVERAGE PRICES

The Industrial Product Price Indexes measure price changes for major commodities sold by Canadian manufacturers. Elemental indexes are calculated for 1314 Principal Commodity Group outputs as defined in the 1981 Input/Output (I/O) table. Weights used to aggregate commodity indexes are taken from the output or "Make" matrix of the I/O system which provides an integrated set of commodity values for all manufacturing industries.

About 10 000 prices are collected monthly from about 3 000 producers for goods sold which are valued at the boundary of the establishment, so that the cost of taxes collected at that point and transportation provided by public carriers beyond that point are excluded. Prices are reported in great detail for some transactions, enabling both the goods and the terms of sale to be identified. Such collections are instituted for important commodities. The sample size is increased where price movement has a regional aspect or where there are large flows of goods to export markets.

Sampling for the direct survey of an elemental indicator is usually done by a formal probability sampling procedure, wherein important producers are "must take" respondents and a random selection is made of the smaller producers. Such samples are redesigned according to a regular cycle as dictated by changes in the market. A given elemental indicator is usually supported by 12 to 15 price quotes, although some are derived from as few as 8 quotes or as many as 30 quotes.

The 1986 = 100 industry aggregation of elemental commodities can be directly related to the 1981 = 100 Industry Selling Price Indexes which are available from 1956 to 1990. Link factors, derived from the relationship of the two series in January 1986, were published in the July and December issues of Catalogue 62-011.

In 1988, the time series related to forest products have been modified to accomodate actual needs. The new time series are only available as of 1981.

VI - 1. Selected Forest Industry Selling Price Indexes, 1956-1990 (1986 = 100)

Year	Wood industries				Paper and allied industries		All manufacturing industries
	Sawmills and planing mills	Shingle mills	Veneer and plywood mills	Total	Pulp and paper mills	Total	
1956	28.6	16.3	27.5	24.6	22.4	23.0	24.3
1960	27.1	14.9	24.2	24.0	22.8	23.5	25.3
1965	29.5	19.6	26.1	26.3	24.2	24.8	26.4
1970	32.1	24.1	29.3	30.7	26.8	27.8	30.1
1975	54.0	51.7	51.8	51.9	50.4	49.7	47.2
1976	60.6	66.0	55.1	57.5	51.1	50.9	49.6
1977	70.6	79.8	57.0	64.7	54.5	53.9	53.5
1978	85.8	92.2	71.7	77.2	57.7	56.9	58.4
1979	101.6	91.2	78.7	89.4	68.8	66.8	66.9
1980	90.0	88.6	77.3	83.9	80.0	77.2	75.8
1981	85.1	88.7	86.6	84.1	87.8	85.3	83.6
1982	83.8	85.0	80.7	83.7	88.9	88.1	89.2
1983	94.8	100.3	87.5	92.3	83.5	85.2	92.3
1984	90.4	105.5	84.4	90.5	95.2	94.8	96.5
1985	91.6	95.0	86.7	92.3	95.3	96.0	99.2
1986	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1987	101.4	102.5	100.6	102.5	110.7	109.3	102.8
1988	103.3	118.2	99.1	104.4	122.3	119.8	107.2
1989	106.9	121.4	105.2	108.4	126.1	123.6	109.4
1990	104.8	129.0	101.4	107.8	123.3	121.6	109.7

Source: Statistics Canada Cat. No. 62-011.

VI - 2. Selling Price Indexes - Lumber Products, 1981-1990 (1986 = 100)

	Softwood lumber		Softwood lumber by species			Softwood lumber market		Softwood lumber by region					
												B.C.	
Year	Domestic	Export	Douglas-fir B.C. Coast	Western red-cedar B.C.	Spruce-pine-fir Canada	Northern American B.C. Coast	Overseas B.C. Coast	Atlantic	Que.	Ont.	Prairies	Interior	Coast
1981	81.0	78.6	91.0	76.9	77.7	77.5	84.8	76.2	78.8	81.3	79.8	78.5	78.6
1982	79.9	75.9	84.5	81.0	73.3	79.7	82.9	71.8	75.7	77.5	74.5	74.8	79.0
1983	97.4	95.5	97.8	103.3	94.0	101.0	84.5	90.5	93.4	93.7	93.8	95.8	94.9
1984	94.1	87.3	92.7	100.1	86.0	94.0	82.9	91.4	89.4	92.2	87.0	86.4	89.0
1985	91.7	88.9	95.2	90.5	88.1	91.7	86.6	90.9	92.6	94.1	91.8	87.1	90.7
1986	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1987	99.6	98.9	98.6	100.9	96.0	101.9	130.0	110.3	100.1	96.7	90.7	95.2	103.3
1988	102.8	99.9	108.6	107.4	91.5	106.2	158.2	101.4	95.5	89.6	86.0	93.8	111.9
1989	100.0	100.2	120.3	104.7	91.3	106.3	165.5	94.0	98.4	87.0	82.8	93.9	114.1
1990	96.4	98.3	117.4	106.6	88.7	108.5	156.9	91.4	95.9	82.1	81.9	91.3	113.0

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.

VI - 3. Selling Price Indexes - Wood Pulp and Paper Products, 1981-1990 (1986 = 100)

		Wood pulp				Paper products						
		Sulphite bleached		Sulphate bleached		Newsprint		Other paper for printing	Fine papers n.e.s.	Wrapping paper	Paperboard	Building board
Year	Total	Domestic	Export	Domestic	Export	Domestic	Export					
1981	85.1	109.5	104.6	99.2	101.8	77.6	81.3	81.7	83.6	86.4	79.8	84.7
1982	88.1	101.1	96.7	94.3	95.3	84.9	85.1	86.4	88.5	91.4	84.2	90.0
1983	85.2	83.2	83.4	85.0	82.3	81.3	80.3	86.2	89.0	88.6	87.9	92.6
1984	94.9	100.3	101.5	103.5	104.2	89.3	89.1	93.0	96.0	92.9	96.0	95.1
1985	96.1	93.2	87.5	92.7	88.9	98.2	97.3	99.3	97.2	94.9	98.6	100.4
1986	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1987	109.4	127.4	124.8	126.1	124.7	105.7	105.1	103.2	107.0	108.9	107.7	97.0
1988	119.8	144.9	144.7	148.1	145.7	118.1	111.8	113.7	116.7	118.2	115.3	96.5
1989	123.7	166.9	160.1	161.3	161.8	117.7	105.2	116.1	121.2	121.1	117.8	94.0
1990	121.6	150.3	145.7	153.2	152.2	120.3	104.6	114.8	118.5	119.6	112.5	93.8

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.

VI - 4. Selling Price Indexes - Other Forest Products, 1981-1990 (1986 = 100)

Year	Wood chips	Shingles	Shakes	Veneer			Plywood			
				Birch	Other hardwoods	Softwoods	Birch	Other hardwoods	Douglas-fir	Other softwoods
1981	114.0	97.2	79.7	104.8	85.3	85.8	82.7	90.5	88.7	77.5
1982	120.9	95.3	73.9	93.6	87.8	79.1	84.1	85.6	80.0	68.5
1983	97.4	107.5	94.6	103.4	93.2	86.3	87.1	91.9	83.9	83.3
1984	100.4	112.2	100.4	105.3	96.5	85.5	95.0	97.8	78.9	73.9
1985	99.5	100.9	89.8	89.2	96.9	91.9	94.0	97.4	82.1	79.9
1986	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1987	112.8	105.9	99.3	111.8	103.5	103.1	100.0	106.9	95.7	97.7
1988	123.6	122.0	115.5	107.6	107.3	104.0	96.7	106.3	93.0	92.5
1989	142.3	128.1	115.9	103.6	111.6	x	96.0	103.6	102.0	105.6
1990	140.9	125.3	130.5	107.2	116.2	x	98.4	105.5	98.1	94.1

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.

VI - 5. Annual Average Price Statistics for Selected Forest Products, 1970-1990

Year	Lumber										Newsprint	Wood pulp
	Kiln dried						Green					
	Standard and better 2x4 Random 8/20'				Stud grade 2x4-8'		Standard and better 2x4 Random 8/20'		Stud 2x4-8'			
	Prices net f.o.b. mills				Prices net	Prices net f.o.b. mills		Prices net f.o.b. mills	Prices net		Average price	Price paid by contract buyers
			Hemlock-fir		Delivered Great Lakes	Delivered Northeastern U.S.					Delivered to New York	Delivered Northern U.S.
	Douglas-fir	Western spruce-pine-fir	B.C. Coast	B.C. Interior	Eastern spruce-pine-fir	Eastern spruce-pine-fir	Western spruce-pine-fir	Eastern spruce-pine-fir	Douglas-fir	Eastern spruce-pine-fir	Canadian newsprint[a]	Bleached softwood kraft
	Per thousand board feet											
	$ U.S.							$ CAN	$ U.S.	$ CAN	$ U.S./t	
1970	85	71	..	79	..	..	66	..	75	..	178.72	..
1971	109	98	..	109	..	..	97	..	97	..	185.78	..
1972	136	133	..	139	..	..	125	..	128	..	193.51	173
1973	176	158	..	173	..	..	133	..	160	..	205.76	220
1974	144	126	..	143	162	147	106	..	126	..	246.92	341
1975	148	123	..	139	164	161	118	..	131	..	286.60	410
1976	178	151	..	171	198	190	147	..	154	..	311.40	405
1977	213	173	..	200	217	213	181	185	187	189	333.45	366
1978	241	209	..	235	252	244	199	243	213	219	348.33	336
1979	260	225	..	254	278	229	177	295	234	222	385.80	428
1980	209	168	..	202	232	211	152	240	181	207	436.00	519
1981	190	156	..	189	227	216	149	240	166	230	482.50	536
1982	167	140	162	175	211	199	129	233	144	208	495.00	496
1983	222	185	213	218	262	255	187	279	188	270	479.00	431
1984	202	154	186	191	238	234	158	266	159	255	517.50	513
1985	205	153	188	191	235	228	153	280	175	268	535.00	427
1986	215	184	206	215	269	232	157	324	180	282	543.75	461
1987	227	200	221	232	293	241	161	333	190	278	590.00	578
1988	233	186	220	227	277	254	171	295	193	274	650.00	713
1989	264	184	231	237	273	262	186	280	292	279	650.00	823
1990	242	186	219	230	273	245	173	272	293	243	670.42	787

The prices shown have been standardized to 30 lb newsprint.

Sources: Canadian Pulp and Paper Association, Reference Tables 1990. Random Lengths Yearbook. Resource Information Systems Inc., Pulp and Paper Review.

SECTION VII

FINANCIAL STATISTICS AND ECONOMIC INDICATORS

- **Capital and repair expenditures**
- **Contribution to Canadian Gross Domestic Product**
- **Corporate profits and profitability**
- **Economic indicators**
- **Income taxes**

Gross Domestic Product

Since 1986, the gross domestic product (GDP) has replaced the gross national product (GNP) in table VII-6 as a measure of the Canadian collective income. This change is in accordance with the System of National Accounts of Statistics Canada and with the international practice recommended by the United Nations.

According to Statistics Canada, the GDP allows for a better analysis of the economic performance of the country as it measures the production originating in the country, whereas the GNP is adjusted for the flow of interests and incomes crossing the national border.

In tables VII-6, VII-7, VII-8 and VII-9, you will notice that the national GDP is shown to be greater than the sum of the provincial GDPs. This is mainly because the domestic territory of the country is defined to include embassies and military bases on foreign soil. Thus there is Canadian domestic production that does not occur within the geographic boundaries of any province or territory.

Statistics Canada's change of approach results in an upward revision of the aggregate estimations. New surveys and information sources have allowed re-examination of the data from 1961 until 1985. The major sources of change are: day care fees, unrecorded income in construction, indirect taxes and investment income of municipalities, and residential repairs.

More details are available from Statistics Canada, catalogue 13-001, first quarter 1988, and catalogue 13-213.

VII - 1. Corporate Profits and Profitability[a] - Forest Industries, 1970-1987

Year	Wood industries			Paper and allied industries			Manufacturing industries		
	Before tax	After tax	Profitability	Before tax	After tax	Profitability	Before tax	After tax	Profitability
	$000 000		%	$000 000		%	$000 000		%
1970	-13	-22	-0.6	229	155	3.7	2 899	1 662	5.5
1971	51	10	1.8	111	64	2.2	3 679	2 179	6.7
1972	189	90	6.0	139	65	2.4	4 361	2 590	7.5
1973	480	284	15.7	799	573	10.1	6 607	4 142	10.6
1974	188	94	6.2	1 337	852	12.2	8 697	5 272	11.6
1975	60	9	1.5	826	574	7.8	7 652	4 564	9.1
1976	206	94	5.1	573	343	5.4	7 367	4 542	8.5
1977	402	232	9.7	582	308	4.5	9 397	4 561	6.8
1978	750	474	15.7	1 191	817	8.9	10 085	6 492	9.7
1979	874	546	15.6	1 621	905	8.9	14 213	9 064	11.6
1980	380	242	6.4	2 465	1 604	13.0	15 109	9 498	10.6
1981	69	36	1.7	2 096	1 536	10.3	14 396	9 076	8.8
1982	-277	-190	-3.2	-39	28	1.4	4 910	2 844	3.4
1983	220	167	4.9	-25	32	1.1	8 796	5 715	5.7
1984	173	137	4.1	917	714	4.8	15 767	10 704	8.7
1985	413	318	7.3	778	446	3.2	14 371	9 172	6.9
1986	753	532	10.3	1 992	1 227	6.2	19 296	12 988	8.3
1987	1 253	821	12.7	3 837	2 391	9.9	22 105	14 128	8.5

[a] Profitability as a measure of return on capital employed was obtained by dividing after-tax profits plus interest on long-term debt by capital employed.

Source: Statistics Canada Cat. No. 61-207.

VII - 2. Corporate Income Taxes Paid by Forest Industries, 1970-1987

Year	Forestry			Wood industries			Paper and allied industries			Total		
	Federal	Provincial	Total	Federal	Provincial	Total	Federal	Provincial	Total	Federal	Provincial	Total
						$000 000						
1970	4.4	1.5	5.9	12.3	4.3	16.6	57.9	15.8	73.7	74.6	21.6	96.2
1971	4.3	1.7	6.0	21.3	6.8	28.1	45.1	12.7	57.8	70.7	21.2	91.9
1972	7.7	2.7	10.4	51.9	15.9	67.8	51.9	17.4	69.3	111.5	36.0	147.5
1973	14.4	5.0	19.4	94.1	35.0	129.1	107.0	39.8	146.8	215.5	79.8	295.3
1974	11.8	4.2	16.0	48.2	19.5	67.7	219.4	85.6	305.0	279.4	109.3	388.7
1975	7.0	2.9	9.9	38.6	16.2	54.8	108.8	44.3	153.1	154.4	63.4	217.8
1976	7.9	5.0	12.9	58.6	28.5	87.1	96.8	45.3	142.1	163.3	78.8	242.1
1977	10.5	7.1	17.6	79.5	38.5	118.0	97.1	45.8	142.9	187.1	91.4	278.5
1978	10.7	7.7	18.4	127.0	68.0	195.0	156.3	80.4	236.7	294.0	156.1	450.1
1979	24.4	14.9	39.3	161.6	86.8	248.4	298.7	160.6	459.3	484.7	262.3	747.0
1980	32.2	17.8	50.0	67.9	39.3	107.2	331.4	176.4	507.8	431.5	233.5	665.0
1981	13.2	9.0	22.2	45.5	25.4	70.9	201.9	110.9	312.8	260.6	145.3	405.9
1982	10.3	5.8	16.1	27.4	12.0	39.4	73.1	41.1	114.2	110.8	58.9	169.7
1983	12.3	7.1	19.4	45.3	20.1	65.4	60.5	34.9	95.4	118.1	62.1	180.2
1984	15.7	8.7	24.4	37.5	21.1	58.6	87.0	72.2	159.2	140.2	102.0	242.2
1985	15.5	9.0	24.5	40.9	27.0	67.9	118.1	89.9	208.0	174.5	125.9	300.4
1986	16.7	11.2	27.9	71.8	47.5	119.3	136.3	123.0	259.2	224.8	181.7	406.3
1987	21.7	13.9	35.5	126.7	79.9	206.6	253.5	189.9	443.4	401.9	283.7	685.5

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

VII - 3. Provincial Allocation of Taxable Income by Forest Industry Sector and Province, 1970-1987

Sector/ year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other[a]	Canada
							$000						
A. Forestry													
1970	x	-	155	344	866	832	x	x	x	18 603	-	x	21 454
1975	108	-	545	834	x	2 105	x	224	x	22 015	x	-	28 942
1976	215	-	501	872	2 973	2 753	x	332	1 474	34 246	x	-	43 436
1977	109	-	x	902	2 628	3 429	29	325	1 597	45 937	x	x	56 817
1978	140	-	1 622	1 280	x	5 573	77	372	1 478	50 102	x	x	65 406
1979	305	-	2 637	1 607	11 299	7 589	x	x	2 451	99 676	x	x	126 210
1980	434	-	3 512	1 963	12 282	11 374	x	x	2 798	114 621	x	x	147 949
1981	481	-	2 713	2 197	11 658	8 525	x	908	x	54 577	x	197	84 185
1982	604	x	1 372	2 189	14 358	9 983	x	759	2 313	42 889	x	x	75 200
1983	570	x	1 101	x	17 516	11 600	471	938	x	59 001	x	x	98 463
1984	526	x	3 318	4 955	29 531	17 780	482	x	x	63 791	x	x	125 607
1985	703	x	2 993	5 532	36 585	17 139	489	x	3 927	63 151	x	x	132 406
1986	806	x	3 767	6 116	38 040	20 842	543	1 756	5 433	69 075	x	x	146 624
1987	1 559	x	x	6 411	49 462	22 995	x	2 004	x	87 254	x	1 673	183 733
B. Wood industries													
1970	x	x	835	722	10 746	10 789	399	361	4 089	11 323	-	-	39 326
1975	x	421	3 672	4 442	29 039	32 336	2 085	4 612	10 903	62 144	-	x	150 364
1976	x	x	4 959	1 918	37 071	35 027	3 192	2 980	17 526	142 174	-	-	245 446
1977	x	120	4 171	2 519	57 050	35 196	3 559	4 678	14 638	206 250	-	x	332 455
1978	x	128	3 879	4 234	65 469	52 091	3 981	10 233	23 071	391 233	-	x	554 759
1979	x	179	6 014	8 177	107 581	79 470	3 869	8 082	33 625	449 784	-	x	697 696
1980	253	116	x	3 647	62 435	57 150	2 856	3 399	15 243	170 238	x	x	316 650
1981	265	93	1 909	2 781	44 300	58 474	3 683	2 807	12 833	80 440	-	x	207 635
1982	250	78	2 004	2 425	38 123	46 402	3 130	1 522	8 654	31 228	x	x	133 859
1983	296	303	3 382	x	83 914	58 587	6 653	6 237	6 909	64 391	x	x	236 027
1984	400	x	4 951	10 597	108 098	67 429	6 872	5 621	8 722	57 861	x	x	270 794
1985	576	x	5 608	5 810	104 167	74 924	6 546	6 338	11 182	92 700	x	x	308 054
1986	412	98	7 626	14 667	128 834	92 156	7 242	4 479	15 385	197 373	x	x	468 385
1987	x	147	8 735	19 473	160 195	126 704	10 028	5 541	23 683	360 330	x	347	716 099

VII - 3. Provincial Allocation of Taxable Income by Forest Industry Sector and Province, 1970-1987 (concluded)

Sector/ year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other[a]	Canada
							$000						
C. Paper and allied industries													
1970	94	-	3 803	2 438	25 414	58 362	4 696	239	8 316	42 877	-	40	146 279
1975	14 706	x	35 107	16 689	154 556	107 563	3 578	639	32 969	20 936	x	x	387 540
1976	365	-	26 872	3 216	107 528	70 511	1 904	4 221	34 611	125 506	x	x	375 114
1977	10 010	-	34 381	x	119 398	81 251	3 939	3 058	27 012	105 022	-	x	392 895
1978	35 689	35	34 085	6 379	252 538	151 874	2 620	972	18 892	140 532	-	x	644 069
1979	48 669	x	63 381	17 075	439 221	284 771	4 612	1 965	39 133	391 886	x	245	1 291 115
1980	55 351	x	100 660	40 659	486 492	409 936	9 395	34 455	54 367	184 971	-	x	1 378 262
1981	51 926	x	67 579	21 207	207 481	365 371	8 815	5 789	39 790	64 293	x	x	837 138
1982	2 351	-	29 912	4 868	139 913	108 618	6 685	x	33 316	10 054	x	x	336 566
1983	1 992	-	10 937	7 243	112 398	174 776	7 671	775	21 222	9 989	-	-	347 003
1984	x	x	34 950	22 044	263 014	288 279	10 494	1 878	43 906	20 419	-	x	697 628
1985	22 743	x	15 285	15 134	349 805	390 959	x	2 620	33 231	22 387	-	x	868 384
1986	17 234	x	37 681	15 305	400 906	439 462	14 600	x	54 266	127 301	-	545	1 110 172
1987	22 774	x	80 064	45 311	543 678	628 085	18 364	3 851	79 889	225 410	-	x	1 648 074
D. Forest industries													
1970	x	x	4 793	3 504	37 026	69 983	5 095	600	12 405	72 803	-	40	206 343
1975	14 814	x	39 324	21 965	x	142 004	x	5 475	x	105 095	x	x	506 846
1976	580	x	32 332	6 006	147 572	108 291	x	7 533	53 611	301 926	x	x	663 996
1977	10 119	x	x	x	179 076	119 876	7 527	8 061	43 247	357 209	x	x	782 167
1978	35 829	x	39 586	11 893	x	209 538	x	11 577	43 441	581 867	x	x	1 264 224
1979	48 974	x	72 032	26 859	558 101	371 830	x	x	75 209	941 346	x	735	2 115 021
1980	56 038	x	x	46 269	581 209	478 460	x	x	72 408	469 830	x	201	1 844 861
1981	52 672	x	72 201	26 185	283 439	432 370	x	9 504	x	199 310	x	247	1 128 958
1982	3 205	x	33 288	9 482	192 394	165 003	9 815	x	44 283	84 171	x	x	545 625
1983	2 858	x	15 420	x	213 828	244 963	14 795	7 950	x	133 381	x	277	681 493
1984	x	x	43 219	37 596	400 643	373 488	17 848	x	x	142 071	x	x	1 094 029
1985	24 022	x	23 886	26 476	490 557	483 022	x	x	48 340	178 238	x	165	1 308 844
1986	18 452	x	49 074	36 088	567 780	552 460	22 385	6 235	75 084	393 749	x	x	1 725 181
1987	24 333	x	88 799	71 195	753 335	777 784	x	11 396	x	672 994	x	2 020	2 547 906

[a]Other: Including other jurisdictions.

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

VII - 4. Capital and Repair Expenditures by Forest Industries, 1950-1991

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairies	Total[a]
				$000 000		
A. Logging industry						
1960	23.8	16.3	48.1	10.4	3.8	102.4
1970	28.5	26.5	103.3	10.7	3.5	172.5
1975	74.7	59.7	179.7	23.3	21.7	359.1
1976	57.9	54.7	231.2	22.5	15.7	382.0
1977	56.8	73.5	265.3	22.6	21.5	439.5
1978	66.4	80.0	307.5	22.3	26.3	502.5
1979	94.5	97.3	343.0	26.0	28.3	589.1
1980	107.0	126.4	401.0	33.9	40.7	709.0
1981	106.2	139.1	294.9	36.4	41.0	617.6
1982	68.8	81.6	205.9	21.3	25.3	402.9
1983	67.3	97.8	274.9	17.1	15.8	472.9
1984	74.9	120.4	307.8	19.5	18.7	541.3
1985	68.7	123.2	283.4	33.3	20.3	528.9
1986	60.2	127.7	287.2	33.2	20.1	528.4
1987	63.2	111.6	324.0	38.6	25.7	563.1
1988	79.9	117.1	338.3	42.1	24.6	602.0
1989	85.2	120.1	368.9	39.7	27.7	641.6
1990[b]	78.8	127.7	296.9	41.3	29.9	574.6
1991[b]	83.0	130.6	287.8	41.0	28.6	571.0
B. Wood industries						
1950	..	10.1	28.1	..	..	54.2
1960	10.5	11.9	46.4	3.1	3.7	75.6
1970	25.8	30.3	139.9	9.4	18.9	224.3
1975	76.1	80.5	183.3	26.3	42.6	408.9
1976	67.9	58.6	225.0	28.7	64.9	445.1
1977	66.8	59.0	286.7	18.5	34.9	466.1
1978	66.5	69.8	390.8	26.2	37.5	590.9
1979	89.4	80.3	466.0	19.4	61.4	716.5
1980	108.6	104.7	508.1	21.6	53.1	796.1
1981	87.7	101.7	469.5	14.2	71.4	744.5
1982	150.6	80.0	295.0	9.7	51.1	586.4
1983	120.0	85.8	329.4	13.8	71.8	620.8
1984	115.2	105.8	403.3	23.7	52.7	700.7
1985	151.0	94.2	402.3	15.9	60.1	723.9
1986	142.6	111.3	453.2	17.3	136.2	861.0
1987	157.9	195.1	738.9	32.8	115.3	1 240.4
1988	233.6	252.3	852.4	28.4	131.9	1 498.6
1989	230.8	217.0	702.2	37.8	102.8	1 290.6
1990[b]	172.2	160.9	832.8	55.7	142.6	1 384.2
1991[b]	204.9	123.0	753.3	33.3	132.7	1 247.2

VII - 4. Capital and Repair Expenditures by Forest Industries, 1950-1991 (concluded)

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairies	Total[a]
				$000 000		
C. Paper and allied industries						
1950	45.1	44.3	33.0	..[c]	15.8	138.2
1960	95.2	64.9	56.3	47.7	5.2	269.4
1970	152.1	162.5	192.7	191.0	60.1	758.4
1975	308.8	282.6	199.4	110.5	53.4	954.7
1976	336.2	392.4	264.4	123.8	70.0	1 186.8
1977	371.7	385.2	316.6	145.6	70.3	1 289.4
1978	390.7	289.3	339.0	157.2	84.3	1 260.5
1979	434.4	404.8	391.2	234.6	85.9	1 550.9
1980	580.7	530.7	692.5	285.9	82.4	2 152.2
1981	724.6	898.7	964.9	385.1	112.3	3 085.6
1982	724.0	810.0	674.6	479.0	88.9	2 776.5
1983	651.5	493.3	305.7	349.2	89.1	1 888.8
1984	752.7	608.7	454.3	274.6	105.2	2 196.5
1985	994.8	908.8	534.1	568.3	168.4	3 170.4
1986	1 408.0	676.8	553.0	504.2	126.6	3 268.6
1987	1 599.7	778.7	993.9	482.9	293.7	4 148.9
1988	1 477.3	1 026.9	1 397.8	790.3	731.1	5 423.4
1989	1 949.3	1 450.3	2 068.6	978.8	1 050.3	7 497.3
1990[b]	1 684.4	1 290.7	2 186.0	467.5	846.4	6 475.0
1991[b]	1 594.8	1 256.6	2 002.5	469.3	723.2	6 046.4
D. Forest industries						
1960	129.5	93.1	150.8	61.2	12.7	447.3
1970	209.1	219.3	435.9	211.1	82.5	1 155.2
1975	459.6	422.8	562.4	160.1	117.7	1 722.6
1976	462.0	505.7	720.6	175.0	150.6	2 013.9
1977	495.1	517.7	868.6	186.7	126.7	2 194.8
1978	523.6	439.1	1 037.3	205.7	148.1	2 353.8
1979	618.3	582.4	1 200.2	280.0	175.6	2 856.5
1980	796.3	761.8	1 601.6	321.4	176.2	3 657.3
1981	918.5	1 139.5	1 729.3	435.7	224.7	4 447.7
1982	943.4	971.6	1 175.5	510.0	165.3	3 765.8
1983	838.8	676.9	910.0	380.1	176.7	2 982.5
1984	942.8	834.9	1 165.4	317.8	176.6	3 437.5
1985	1 214.5	1 126.2	1 219.8	615.5	248.8	4 423.2
1986	1 610.8	915.8	1 293.4	554.7	282.9	4 658.0
1987	1 820.8	1 085.4	2 056.8	554.3	434.7	5 952.4
1988	1 790.8	1 396.3	2 588.5	860.8	887.6	7 524.0
1989	2 265.3	1 787.4	3 139.7	1 056.3	1 180.8	9 429.5
1990[b]	1 935.4	1 579.3	3 315.7	564.5	1 018.9	8 413.8
1991[b]	1 882.7	1 510.2	3 043.6	543.6	884.5	7 864.6

[a] Includes Northwest Territories and Yukon.
[b] Preliminary actual 1990, followed by revised intentions for 1991.
[c] Included in Prairie provinces.

Source: Statistics Canada Cat. No. 25-202, 61-205, and 61-206.

VII - 5. General Economic Indicators by Quarter, 1983-1990

Year	Quarter	Gross domestic product[a] at 1986 prices percent change	Consumer price index (1986 = 100) percent change	Unemployment rate[a] (%)	Canadian dollar U.S. funds	Merchandise trade balance ($000 000)	Prime rate (%)	Toronto Stock Exchange 300 (1975 = 1000)
1983	1	1.7	0.6	12.6	0.8148	+4 321	11.67	2 092.6
	2	2.3	1.4	12.2	0.8123	+5 268	11.00	2 402.8
	3	1.6	1.6	11.5	0.8112	+3 953	11.00	2 486.8
	4	0.8	0.9	11.1	0.8074	+3 916	11.00	2 484.8
1984	1	1.6	1.3	11.3	0.7965	+3 918	11.17	2 423.6
	2	2.3	0.8	11.4	0.7737	+4 941	12.00	2 258.0
	3	1.1	0.9	11.2	0.7611	+5 412	13.17	2 307.2
	4	1.1	0.7	11.1	0.7585	+5 566	11.92	2 374.0
1985	1	1.3	1.2	11.0	0.7389	+5 061	11.47	2 600.9
	2	0.3	1.1	10.6	0.7303	+4 142	10.58	2 694.7
	3	1.2	0.9	10.2	0.7353	+3 251	10.33	2 743.6
	4	2.3	0.9	10.1	0.7250	+3 938	10.00	2 810.9
1986	1	0.6	1.2	9.6	0.7124	+2 562	12.00	2 915.4
	2	0.2	0.8	9.6	0.7225	+2 859	10.58	3 095.5
	3	0.5	1.2	9.6	0.7219	+2 230	9.75	2 980.9
	4	-0.3	1.0	9.4	0.7222	+2 293	9.75	3 050.6
1987	1	2.0	0.9	9.5	0.7475	+3 172	9.08	3 529.1
	2	0.9	1.4	9.0	0.7503	+3 055	9.42	3 714.1
	3	2.0	1.2	8.7	0.7563	+3 149	9.83	3 975.4
	4	1.3	0.7	8.2	0.7628	+1 846	9.75	3 052.6
1988	1	1.3	0.9	7.8	0.7890	+1 873	9.75	3 191.9
	2	1.1	1.3	7.7	0.8132	+3 489	10.42	3 343.5
	3	0.4	1.1	7.9	0.8201	+2 811	11.25	3 315.4
	4	0.4	0.8	7.7	0.8290	+2 248	11.92	3 360.1
1989	1	1.2	1.2	7.5	0.8390	+3 326	12.83	3 589.0
	2	0.2	1.7	7.7	0.8381	+1 191	13.50	3 698.7
	3	0.3	1.4	7.5	0.8458	+1 139	13.50	3 974.7
	4	0.3	0.7	7.5	0.8558	+1 439	13.50	3 943.7
1990	1	0.6	1.4	7.5	0.8456	+1 871	14.00	3 676.9
	2	-0.2	0.9	7.5	0.8544	+3 128	14.75	3 488.9
	3	-0.3	1.1	8.3	0.8672	+3 214	14.25	3 355.6
	4	-1.2	1.4	9.1	0.8613	+2 712	13.25	3 163.0

[a]Seasonally adjusted at annual rates.

Source: Statistics Canada Cat. No. 13-001, 13-004, 13-007, and 11-010.

VII - 6. General Economic Indicators, 1970-1990

Year	G.D.P.[a] at market price		G.D.P. in constant 1986 dollars		Implicit price index		Consumer price index		Unemployment rate (%)	Canadian dollar in U.S. funds	Merchandise trade balance ($000 000)	Prime rate (%)	Conventional 5-yr mortgage rate (%)
	Value ($000 000)	Percent change	Value ($000 000)	Percent change	(1986 = 100)	Percent change	(1986 = 100)	Percent change					
1970	89 116	7.3	271 372	2.6	32.8	4.6	31.0	3.3	5.7	0.9579	+ 2 951	8.17	10.45
1971	97 290	9.2	286 998	5.8	33.9	3.4	31.9	2.9	6.2	0.9903	+ 2 468	6.48	9.43
1972	108 629	11.7	303 447	5.7	35.8	5.6	33.4	4.7	6.2	1.0096	+ 1 951	6.00	9.21
1973	127 372	17.3	326 848	7.7	39.0	8.9	36.0	7.8	5.6	0.9999	+ 2 923	7.65	9.59
1974	152 111	19.4	341 235	4.4	44.6	14.4	39.9	10.8	5.3	1.0225	+ 1 834	10.75	11.24
1975	171 540	12.8	350 113	2.6	49.0	9.9	44.2	10.8	6.9	0.9830	- 345	9.42	11.43
1976	197 924	15.4	371 688	6.2	53.3	8.8	47.5	7.5	7.1	1.0141	+ 1 559	10.04	11.78
1977	217 879	10.1	385 122	3.6	56.6	6.2	51.3	8.0	8.1	0.9403	+ 2 973	8.50	10.36
1978	241 604	10.9	402 737	4.6	60.0	6.0	55.9	9.0	8.3	0.8770	+ 4 314	9.69	10.59
1979	276 096	14.3	418 328	3.9	66.0	10.0	61.0	9.1	7.4	0.8536	+ 4 425	12.90	11.17
1980	309 891	12.2	424 537	1.5	73.0	10.6	67.2	10.2	7.5	0.8553	+ 8 778	14.25	14.52
1981	355 994	14.9	440 127	3.7	80.9	10.8	75.5	12.4	7.5	0.8341	+ 7 292	19.29	18.38
1982	374 442	5.2	425 970	-3.2	87.9	8.7	83.7	10.9	11.0	0.8106	+17 654	15.81	18.04
1983	405 717	8.4	439 448	3.2	92.3	5.0	88.5	5.7	11.8	0.8114	+17 458	11.17	13.23
1984	444 735	9.6	467 167	6.3	95.2	3.1	92.4	4.4	11.2	0.7722	+19 837	12.06	13.58
1985	477 988	7.5	489 437	4.8	97.7	2.6	96.0	3.9	10.5	0.7323	+16 392	10.58	12.13
1986	505 666	5.8	505 666	3.3	100.0	2.4	100.0	4.2	9.5	0.7197	+ 9 944	10.52	11.21
1987	551 597	9.1	526 730	4.2	104.7	4.7	104.4	4.4	8.9	0.7542	+11 222	9.52	11.16
1988	605 147	9.7	551 423	4.7	109.7	4.8	108.6	4.0	7.8	0.8125	+10 421	10.83	11.65
1989	649 102	7.3	564 990	2.5	114.9	4.7	114.0	5.0	7.5	0.8446	+ 7 095	13.33	12.06
1990	671 577	3.5	567 541	0.5	118.3	3.0	119.5	4.8	8.1	0.8571	+10 925	14.06	13.35

[a]Gross domestic product.

Sources: Statistics Canada Cat. No. 13-001, 62-010, 67-001, 71-001, and Bank of Canada Review.

VII - 7. Relation Between Gross Domestic Product (G.D.P.) at Market Price and G.D.P. at Factor Cost, 1970-1990

Year	G.D.P. at market price	Deduct: indirect taxes less subsidies	Deduct: statistical discrepancy	Equals: G.D.P. at factor cost
			$000 000	
1970	89 116	11 095	684	77 337
1971	97 290	12 053	792	84 445
1972	108 629	13 627	147	94 855
1973	127 372	15 311	14	112 047
1974	152 111	17 867	-590	134 804
1975	171 540	17 087	98	154 363
1976	197 924	20 992	-141	177 073
1977	217 879	23 188	1 109	193 582
1978	241 604	24 819	-59	216 844
1979	276 096	26 635	-199	249 660
1980	309 891	27 272	45	282 574
1981	355 994	36 457	173	319 364
1982	374 442	38 908	350	335 184
1983	405 717	40 135	2 247	363 335
1984	444 735	42 714	863	401 158
1985	477 988	47 212	44	430 732
1986	505 666	53 827	809	451 030
1987	551 597	59 719	1 710	490 168
1988	605 147	67 512	-746	538 381
1989	649 102	74 489	-488	575 101
1990	671 577	75 103	232	596 242

Source: Statistics Canada Cat. No. 11-010.

VII - 8. Direct Contribution of Forest Industries to Canadian Gross Domestic Product (G.D.P.) at Factor Cost[a], 1970-1990 (1986 Prices)

	Total economy	Forestry services		Logging		Wood industries		Paper and allied industries		Total forest industries	
Year	$000 000	$000 000	%	$000 000	%	$000 000	%	$000 000	%	$000 000	%
1970	252 298.7	275.5	0.1	1 798.0	0.7	2 483.1	1.0	6 533.5	2.6	11 090.1	4.4
1971	267 059.6	318.3	0.1	1 764.4	0.7	2 543.4	1.0	6 443.3	2.4	11 069.4	4.1
1972	282 176.2	301.5	0.1	1 903.9	0.7	2 572.5	0.9	7 009.6	2.5	11 787.5	4.2
1973	304 410.0	266.6	0.1	2 130.0	0.7	2 833.3	0.9	7 578.1	2.5	12 808.0	4.2
1974	315 620.6	272.3	0.1	2 140.4	0.7	2 938.8	0.9	8 202.9	2.6	13 554.4	4.3
1975	320 034.7	300.4	0.1	1 726.5	0.5	2 610.8	0.8	5 838.3	1.8	10 476.0	3.3
1976	339 251.3	317.6	0.1	1 871.8	0.6	3 165.7	0.9	7 205.1	2.1	12 560.2	3.7
1977	350 145.5	328.2	0.1	2 012.9	0.6	3 513.0	1.0	7 117.8	2.0	12 971.9	3.7
1978	361 078.0	339.6	0.1	2 235.0	0.6	3 524.0	1.0	7 867.9	2.2	13 966.5	3.9
1979	375 111.8	348.6	0.1	2 212.7	0.6	3 535.2	0.9	7 768.1	2.1	13 864.6	3.7
1980	381 991.8	351.3	0.1	2 248.1	0.6	3 768.2	1.0	7 609.7	2.0	13 977.3	3.7
1981	397 089.7	346.3	0.1	2 195.1	0.6	3 620.6	0.9	7 308.5	1.8	13 470.5	3.4
1982	382 574.9	327.3	0.1	1 834.3	0.5	2 928.8	0.8	6 263.7	1.6	11 354.1	3.0
1983	394 995.1	339.8	0.1	2 419.9	0.6	3 620.1	0.9	7 011.7	1.8	13 391.5	3.4
1984	418 716.6	321.9	0.1	2 720.2	0.6	4 061.0	1.0	7 264.8	1.7	14 367.9	3.4
1985	438 450.0	343.1	0.1	2 635.3	0.6	4 611.9	1.1	7 171.1	1.6	14 761.4	3.4
1986	451 845.3	351.0	0.1	2 690.8	0.6	4 628.2	1.0	7 556.3	1.7	15 226.3	3.4
1987	471 522.9	361.8	0.1	3 008.2	0.6	5 341.8	1.1	8 012.7	1.7	16 724.5	3.5
1988	493 265.0	359.4	0.1	3 027.4	0.6	5 374.1	1.1	8 193.4	1.7	16 954.3	3.4
1989	505 937.9	366.8	0.1	2 945.1	0.6	5 304.3	1.0	8 153.0	1.6	16 769.2	3.3
1990	507 514.2	369.8	0.1	2 835.0	0.6	4 811.3	0.9	7 951.2	1.6	15 967.3	3.1

[a]G.D.P. at factor cost in 1986 prices is a summation of all industries and there are no adjustments for the statistical discrepancy.

Source: Statistics Canada Cat. No. 15-001.

VII - 9. Direct Contribution of Forest Industries to Canadian Gross Domestic Product (G.D.P.) by Province, 1987 and 1989

Province	Provincial G.D.P. at market prices	Indirect taxes	Subsidies	G.D.P. at factor cost[a]	Logging industry		Wood industries		Paper and allied industries		Forestry services		Total forest industries	
	$000 000 (current $)				$000 000	%	$000 000	%	$000 000	%	$000 000	%	$000 000	%
A. G.D.P. at factor cost and forestry contribution - 1987														
Nfld.	7 385	886	151	6 650	76.8	1.2	6.8	0.1	x	x	14.6	0.2	x	x
P.E.I.	1 587	170	67	1 484	4.3	0.3	7.0	0.5	-	-	1.7	0.1	13.0	0.9
N.S.	13 967	1 703	208	12 472	76.8	0.6	66.5	0.5	274.9	2.2	15.3	0.1	433.5	3.5
N.B.	10 887	1 449	165	9 603	230.2	2.4	159.1	1.7	585.5	6.1	28.8	0.3	1 003.6	10.5
Que.	129 593	18 276	2 422	113 759	586.6	0.5	1 258.2	1.1	2 892.2	2.5	70.1	0.1	4 807.1	4.2
Ont.	223 775	31 225	2 375	194 925	670.0	0.3	976.5	0.5	2 797.5	1.4	94.1	--	4 538.1	2.3
Man.	19 542	2 684	1 078	17 936	48.3	0.3	86.0	0.5	111.1	0.6	5.7	--	251.1	1.4
Sask.	17 191	2 113	2 218	17 296	42.9	0.2	48.5	0.3	x	x	6.3	--	x	x
Alta.	59 614	4 892	2 743	57 465	35.3	0.1	297.2	0.5	233.7	0.4	51.7	0.1	617.9	1.1
B.C.	62 866	7 477	996	56 385	1 486.6	2.6	2 615.1	4.6	2 172.1	3.9	78.0	0.1	6 351.8	11.3
Total	**548 949**	**71 365**	**12 524**	**490 108**	**3 260.6**	**0.7**	**5 520.9**	**1.1**	**9 329.1**	**1.9**	**366.1**	**0.1**	**18 476.7**	**3.8**
B. G.D.P. at factor cost - 1989														
Nfld.	8 406	1 023	163	7 546	..	..	..	..	..	..	..	..	..	..
P.E.I.	1 897	203	76	1 770	..	..	..	..	..	..	..	..	..	..
N.S.	16 019	2 056	214	14 177	..	..	..	..	..	..	..	..	..	..
N.B.	12 645	1 691	178	11 132	..	..	..	..	..	..	..	..	..	..
Que.	151 801	20 858	2 500	133 443	..	..	..	..	..	..	..	..	..	..
Ont.	273 352	38 382	2 421	237 391	..	..	..	..	..	..	..	..	..	..
Man.	23 485	3 081	911	21 315	..	..	..	..	..	..	..	..	..	..
Sask.	19 610	2 572	1 921	18 959	..	..	..	..	..	..	..	..	..	..
Alta.	66 415	5 753	2 158	62 820	..	..	..	..	..	..	..	..	..	..
B.C.	76 332	9 021	973	68 284	..	..	..	..	..	..	..	..	..	..
Total	**652 835**	**86 589**	**11 602**	**576 848**	..	..	..	..	..	..	..	..	..	..

[a] G.D.P. at factor cost = G.D.P. at market prices + subsidies - indirect taxes.

Source: Statistics Canada Cat. No. 13-213 and 15-203.

SECTION VIII

RELATED DATA

- Housing starts
- Transportation

VIII - 1. Transport Statistics by Forest Products, 1988-1990

Forest products	Railways			Trucking[a]				Marine traffic			
	Revenue freight loaded domestically onto railway cars in Canada			For hire							
	1988	1989	1990	Class 1-2	Class 3	Private	Total	Cargo tonnes loaded	Tonnes loaded (exports)	Tonnes unloaded (imports)	Total
				1989				1990			
				1 000 t							
Primary wood products	**11 767**	**10 802**	**9 304**	**11 222**	..	..	..	**12 934**	**3 640**	**153**	**16 727**
Logs and bolts	1 338	1 566	1 441	2 894	..	..	..	7 013	1 081	141	8 235
Pulpwood	1 279	1 068	1 151	704	..	..	..	559	112	8	679
Wood chips	9 150	8 168	6 712	7 275	..	..	..	5 362	2 447	4	7 813
Other primary products	..	..	..	349	..	..	..	..	..	..	..
Wood-fabricated materials	**10 196**	**10 263**	**9 399**	**5 079**	..	..	..	**641**	**7 393**	**88**	**8 122**
Lumber	8 511	8 512	7 840	4 642	..	..	..	639	7 022	33	7 694
Other wood products	1 685	1 751	1 559	437	..	..	..	2	371	55	428
Wood pulp and paper products	**12 868**	**12 578**	**13 345**	**3 114**	..	..	..	**1 090**	**8 229**	**299**	**9 618**
Wood pulp	6 729	6 495	6 505	248	..	..	..	650	4 500	61	5 211
Newsprint	5 465	5 440	6 142	1 942	..	..	..	421	2 932	10	3 363
Paperboard, pulpboard, fiberboard	674	643	698	300	..	..	..	19	797	228	1 044
Total forest products	**36 060**	**34 570**	**32 971**	**20 332**	..	..	..	**14 665**	**19 262**	**540**	**34 467**
Total products	**258 601**	**242 162r**	**237 591**	**162 466**	..	..	..	**60 360**	**159 041**	**73 296**	**292 697**
%	13.9	14.3	13.9	12.5	..	..	..	24.3	12.1	0.7	11.8

[a]Class 3 survey was discontinued in 1988 and private trucking was not surveyed in 1989.

Source: Statistics Canada Cat. No. 52-001, 53-222, and 54-205.

VIII - 2. Dwelling Units* Started by Province, 1950-1990

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada
1950	2 090	333	2 705	2 323	7 451	28 515	33 430	4 072	2 904	8 623	15 599	7 536	92 531
1960	2 026	272	4 047	1 780	8 125	28 589	42 282	5 132	4 339	8 387	17 858	12 004	108 668
1970	2 636	784	5 878	3 182	12 480	47 118	76 675	8 945	1 743	16 251	26 939	27 316	190 528
1971	3 658	1 363	7 308	4 930	17 259	51 782	89 980	10 705	3 560	25 602	39 867	34 765	233 653
1972	3 901	1 079	5 164	6 358	16 502	55 746	102 933	12 068	4 845	22 503	39 416	35 317	249 914
1973	4 831	2 122	7 734	7 235	21 922	59 550	110 536	11 531	6 386	20 977	38 894	37 627	268 529
1974	4 911	1 334	6 008	5 861	18 114	51 642	85 503	8 752	7 684	19 008	35 444	31 420	222 123
1975	5 342	847	6 366	6 983	19 538	54 741	79 968	7 845	10 505	24 707	43 057	34 152	231 456
1976	5 709	842	7 470	6 772	20 793	68 748	84 682	9 339	13 143	38 771	61 253	37 727	273 203
1977	3 719	824	7 495	4 308	16 346	57 580	79 130	9 410	12 825	38 075	60 310	32 358	245 724
1978	2 865	1 210	4 853	5 167	14 095	43 671	71 710	12 121	9 527	47 925	69 573	28 618	227 667
1979	2 999	1 068	4 538	5 021	13 626	41 730	56 887	5 772	11 742	39 947	57 461	27 345	197 049
1980	3 848	475	3 895	2 646	10 864	29 186	40 127	2 597	6 250	32 031	40 878	37 546	158 601
1981	3 210	203	3 715	2 188	9 316	29 645	50 161	2 824	5 972	38 470	47 266	41 585	177 973
1982	2 793	248	3 691	1 680	8 412	23 492	38 508	2 030	6 822	26 789	35 641	19 807	125 860
1983	3 281	673	5 697	4 742	14 393	40 318	54 939	5 985	7 269	17 134	30 388	22 607	162 645
1984	2 720	643	4 598	2 873	10 834	41 902	48 171	5 308	5 221	7 295	17 824	16 169	134 900
1985	2 854	788	6 923	4 142	14 707	48 031	64 871	6 557	5 354	8 337	20 248	17 969	165 826
1986	2 883	1 110	7 571	4 045	15 609	60 348	81 470	7 699	5 510	8 462	21 671	20 687	199 785
1987	2 682	933	6 460	3 716	13 791	74 179	105 213	8 174	4 895	10 790	23 859	28 944	245 986
1988	3 168	1 151	5 478	3 621	13 418	58 062	99 924	5 455	3 856	11 360	20 671	30 487	222 562
1989	3 536	815	5 359	3 681	13 391	49 058	93 337	4 084	1 906	14 712	20 702	38 894	215 382
1990	3 245	762	5 560	2 683	12 250	48 070	62 649	3 297	1 417	17 227	21 941	36 720	181 630

*Dwelling unit is defined as a structurally separate set of living premises with a private entrance (excluding mobile dwellings).

Sources: Statistics Canada Cat. No. 64-002 and Canada Mortgage and Housing Corporation nation-wide survey.

VIII - 3. Value of Building Construction in Canada[a], 1960-1991

Year	Residential			Industrial	Commercial	Institutional	Other	Total
	New	Repairs	Total					
					$000 000			
1960	1 456	457	1 913	452	738	615	333	4 051
1970	3 138	871	4 009	1 000	1 287	1 330	473	8 098
1971	4 025	951	4 976	1 023	1 405	1 456	507	9 367
1972	4 820	1 051	5 871	927	1 706	1 249	575	10 328
1973	5 977	1 188	7 165	1 162	2 211	1 200	666	12 404
1974	7 010	1 451	8 461	1 556	2 969	1 383	877	15 246
1975	7 114	1 576	8 690	1 537	3 732	1 561	1 089	16 609
1976	10 853	1 817	12 669	1 479	3 628	1 594	1 101	20 471
1977	11 065	2 061	13 126	1 758	3 639	1 662	1 123	21 308
1978	11 451	2 329	13 780	1 586	3 876	1 682	1 310	22 234
1979	11 618	2 649	14 267	2 096	5 098	1 831	1 414	24 706
1980	11 010	2 862	13 872	3 025	5 912	2 171	1 560	26 540
1981	13 135	3 229	16 365	3 611	6 989	2 593	1 979	31 537
1982	10 148	3 433	13 581	3 044	7 063	3 092	2 062	28 843
1983	12 994	3 857	16 851	2 450	6 482	3 065	1 905	30 753
1984	12 580	4 067	16 647	2 708	7 129	2 924	2 003	31 412
1985	21 170	2 975	24 145	3 470	8 697	3 119	2 028	41 459
1986	25 764	3 121	28 885	3 201	10 119	3 565	1 656	47 427
1987	32 519	3 306	35 825	3 244	12 378	4 314	2 147	57 908
1988	34 917	4 019	38 936	3 842	14 116	4 540	2 452	63 886
1989	38 682	4 048	42 730	4 488	16 192	5 111	2 718	71 238
1990[b]	37 120	4 647	41 767	4 205	15 987	5 680	2 535	70 174
1991[b]	34 807	4 879	39 686	3 787	14 027	6 220	2 568	67 188

[a] Total value of construction work purchased by type of structure.
[b] Preliminary actual 1990, followed by revised intentions 1991.

Source: Statistics Canada Cat. No. 64-201.

SECTION IX

WORLD FORESTRY

The world forestry figures were retrieved from the "1989 Yearbook of Forest Products." Publication of the Yearbook is made possible by the cooperation of various governments, which supplied most of the information in the form of replies to questionnaires. The Forestry Department of the Food and Agriculture Organization of the United Nations in collaboration with the Economic Commission for Europe compiled the results.

The products are classified using the "United Nations Standard International Trade Classification (SITC) Revision 2."

IX - 1. World Forest Resources - Forest Areas and Growing Stocks by Region and Species Group

Continents and countries	Forest areas							Forest percentage of land areas[a]	Merchantable volume		
	Closed forest		Other woodland		Total				Growing stocks		
	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Total		Softwoods	Hardwoods	Total
	1 000 ha							%	1 000 000 m^3		
North America	453 298[b]	..	296 022[b]	..	749 320[b]	..	749 320	37.9	31 334	15 420	46 754
Canada	243 698[b]	..	209 622[b]	..	453 320[b]	..	453 320	43.7	17 834	5 320	23 154
United States	209 600[b]	..	86 400[b]	..	296 000[b]	..	296 000	31.8	13 500	10 100	23 600
Central America and Mexico	25 038	47 230	-	348	25 038	47 578	72 614	26.9	1 900	3 600	5 500
South America	19 474	647 498	1 000	247 047	20 474	894 545	915 019	51.4	900	90 600	91 500
Africa	7 776	228 088	6 115	501 734	13 891	729 822	743 713	24.5	200	24 800	25 000
Europe, without USSR	88 413	48 592	9 576	12 321	97 989	60 913	158 902	30.5	8 000	4 000	12 000
USSR	593 700	197 900	86 200	50 800	679 900	248 700	928 600	41.5	65 300	20 600	85 900
Asia	86 552	275 270	15 688	90 722	102 238	365 992	468 230	18.5	6 000	32 000	38 000
Oceania	12 060	211 344	3 935	71 608	15 995	282 952	298 947	27.9	700	5 300	6 000
World[b]	2 942 233[b]	..	1 393 114[b]	..	4 335 347[b]	..	4 335 347	32.3	114 334	196 320	310 654

[a] Including water.
[b] Hardwoods are included.

Source: Food and Agriculture Organization of the United Nations 1985, Forest resources 1980. Cibula, E.J., 1980, Trends in timber supply and trade, Information review, Department of the Environment, London, 1980. FAO 1980, Timber Trends and Prospects for North America (Prepared by Forestry Canada and the USDA Forest Service).

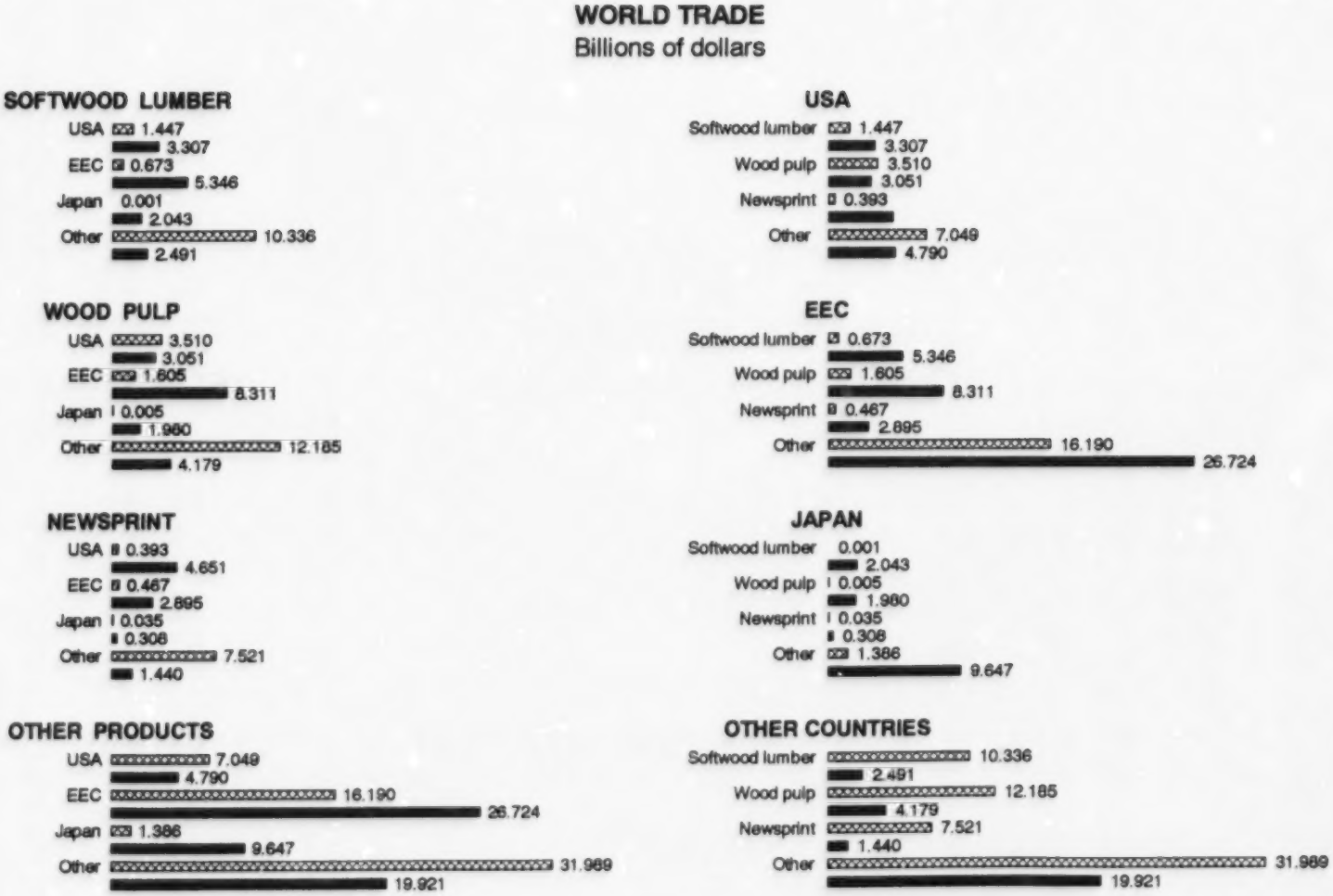

Figure 29. World trade of forest products by commodity group and principal trade area, 1989.
Exports ▨ Imports ■

Source: Food and Agriculture Organization of the United Nations 1989 Yearbook of forest products.

IX - 2A. World Production of Roundwood, 1988

Trade area*	Industrial roundwood						Fuelwood and charcoal	Total round-wood
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods		
	1 000 m^3							
North America	**393 094**	**176 865**	**16 691**	**586 650**	**482 269**	**104 381**	**123 102**	**709 752**
Canada	125 384	45 515	2 224	173 123	162 662	10 461	6 834	179 957
United States	267 710	131 350	14 467	413 527	319 607	93 920	116 268	529 795
Central America	**8 116**	**2 970**	**1 121**	**12 208**	**8 422**	**3 786**	**48 173**	**60 381**
Mexico	4 324	2 864	237	7 425	6 654	771	14 877	22 302
South America	**58 404**	**36 181**	**7 511**	**101 096**	**41 901**	**59 195**	**229 998**	**331 094**
Brazil	40 253	26 800	5 473	72 536	30 491	42 045	179 115	251 651
Chile	5 665	4 106	553	10 324	9 202	1 122	6 437	16 761
Venezuela	716	-	26	742	-	742	722	1 464
Africa	**22 327**	**7 516**	**26 928**	**56 770**	**9 435**	**46 335**	**429 908**	**486 679**
Algeria	20	-	230	250	169	81	1 815	2 065
Morocco	116	133	274	523	136	387	1 343	1 866
Middle East - Africa	195	-	3 886	4 081	29	4 052	65 948	70 029
Europe	**155 974**	**122 414**	**24 454**	**302 842**	**219 939**	**82 903**	**55 084**	**357 926**
Western Europe	123 574	101 688	8 211	233 473	175 311	58 162	39 346	272 819
Economic Community	57 290	41 226	5 082	103 598	67 418	36 180	24 878	128 476
Belgium-Luxembourg	2 230	975	210	3 415	2 485	930	572	3 987
Denmark	806	510	335	1 651	1 188	463	467	2 118
France	22 410	10 401	480	33 291	18 114	15 177	10 436	43 727
Germany, Fed. Rep.	17 207	10 510	1 390	29 107	22 987	6 120	3 656	32 763
Greece	563	220	200	983	577	406	2 320	3 303
Ireland	800	500	27	1 327	1 277	50	50	1 377
Italy	2 650	903	1 127	4 680	1 416	3 264	4 423	9 103
Netherlands	410	660	130	1 200	880	320	116	1 316
Portugal	3 510	5 289	60	8 859	4 704	4 155	598	9 457
Spain	3 341	9 056	878	13 275	8 859	4 416	2 049	15 324
United Kingdom	3 363	2 202	245	5 810	4 931	879	191	6 001
Scandinavia	46 745	53 969	707	101 421	88 865	12 556	8 344	109 765
Finland	19 240	22 200	378	41 818	35 335	6 483	2 984	44 802
Norway	4 774	5 100	229	10 103	9 659	444	936	11 039
Sweden	22 731	26 669	100	49 500	43 871	5 629	4 424	53 924
Other Western Europe	19 539	6 493	2 422	28 454	19 028	9 426	6 124	34 578
Eastern Europe	32 400	20 726	16 243	69 369	44 628	24 741	15 738	85 107
USSR	**170 000**	**44 600**	**96 400**	**310 000**	**273 100**	**36 900**	**83 700**	**393 700**
Asia	**187 762**	**21 958**	**63 263**	**272 990**	**95 847**	**177 136**	**781 827**	**1 054 817**
China, People's Rep.	53 770	7 178	37 503	98 451	61 932	36 519	177 610	276 061
Hong Kong	-	-	-	-	-	-	186	186
India	18 350	1 208	4 670	24 228	2 764	21 464	240 184	264 412
Japan	19 995	10 935	802	31 739	20 895	10 837	571	32 310
Korea, Rep. of (South)	1 066	334	912	2 312	1 720	592	4 491	6 803
Middle East - Asia	4 055	775	5 722	10 552	4 986	5 566	13 077	23 629
Southeast Asia	81 109	1 428	8 289	90 825	708	90 117	207 891	298 716
Oceania	**17 178**	**12 030**	**1 779**	**30 986**	**15 785**	**15 201**	**8 734**	**39 720**
Australia	8 232	8 094	1 137	17 463	5 799	11 664	2 886	20 349
New Zealand	5 749	3 718	636	10 103	9 790	313	50	10 153
World	**1 012 854**	**423 534**	**238 147**	**1 672 542**	**1 146 697**	**525 838**	**1 760 526**	**3 433 068**

*See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 2B. World Production of Roundwood, 1989

Trade area[a]	Industrial roundwood						Fuelwood and charcoal	Total round-wood
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods		
					1 000 m³			
North America	**384 803**	**186 815**	**16 424**	**587 042**	**476 888**	**110 154**	**123 102**	**710 144**
Canada	122 403	45 515	2 224	170 142	159 788	10 354	6 834	176 976
United States	262 400	140 300	14 200	416 900	317 100	99 800	116 268	533 168
Central America	**6 099**	**2 970**	**1 139**	**12 208**	**8 359**	**3 850**	**49 033**	**61 241**
Mexico	4 324	2 864	237	7 425	6 654	771	15 204	22 629
South America	**58 477**	**36 207**	**7 624**	**101 308**	**41 913**	**59 395**	**234 267**	**336 575**
Brazil	40 263	26 800	5 586	72 649	30 503	42 146	182 806	255 455
Chile	5 665	4 106	553	10 324	9 202	1 122	6 540	16 864
Venezuela	716	-	26	742	-	742	740	1 482
Africa	**22 463**	**7 688**	**26 493**	**56 644**	**9 552**	**47 092**	**441 864**	**498 508**
Algeria	20	-	237	257	174	83	1 874	2 131
Morocco	168	298	281	747	190	557	1 364	2 111
Middle East - Africa	195	-	3 949	4 144	29	4 115	67 589	71 733
Europe	**163 869**	**125 152**	**25 339**	**314 360**	**230 593**	**83 767**	**53 891**	**368 251**
Western Europe	130 456	105 562	8 281	244 299	185 403	58 896	39 453	283 752
Economic Community	82 435	42 341	5 152	109 928	73 123	36 805	24 985	134 913
Belgium-Luxembourg	2 975	1 000	210	4 185	3 210	975	572	4 757
Denmark	806	510	335	1 651	1 188	463	467	2 118
France	22 410	10 401	480	33 291	18 114	15 177	10 436	43 727
Germany, Fed. Rep.	19 107	11 179	1 390	31 676	25 413	6 263	3 656	35 332
Greece	549	220	200	969	532	437	2 320	3 289
Ireland	900	550	27	1 477	1 427	50	50	1 527
Italy	2 621	878	1 170	4 669	1 422	3 247	4 177	8 846
Netherlands	440	645	130	1 215	875	340	116	1 331
Portugal	4 142	5 542	60	9 744	5 490	4 254	598	10 342
Spain	4 771	9 149	878	14 798	10 289	4 509	2 384	17 182
United Kingdom	3 714	2 267	272	6 253	5 163	1 090	209	6 462
Scandinavia	47 447	56 507	707	104 661	92 090	12 571	8 344	113 005
Finland	19 800	23 100	378	43 278	36 715	6 563	2 984	46 262
Norway	4 774	5 100	229	10 103	9 659	444	936	11 039
Sweden	22 873	28 307	100	51 280	45 716	5 564	4 424	55 704
Other Western Europe	20 574	6 714	2 422	29 710	20 190	9 520	6 124	35 834
Eastern Europe	33 413	19 590	17 058	70 061	45 190	24 871	14 438	84 499
USSR	**163 200**	**42 800**	**96 400**	**301 400**	**265 500**	**35 900**	**80 700**	**382 100**
Asia	**187 961**	**21 837**	**63 630**	**273 435**	**93 233**	**180 195**	**793 913**	**1 067 348**
China, People's Rep.	52 037	7 440	37 503	96 980	59 636	37 344	177 610	274 590
Hong Kong	-	-	-	-	-	-	187	187
India	18 350	1 208	4 766	24 324	2 766	21 558	245 127	269 451
Japan	19 621	10 935	802	31 365	20 684	10 674	571	31 936
Korea, Rep. of (South)	1 066	334	912	2 312	1 720	592	4 491	6 803
Middle East - Asia	3 879	775	5 722	10 376	4 843	5 533	13 132	23 508
Southeast Asia	82 707	1 045	8 441	92 192	730	91 462	211 606	303 798
Oceania	**17 524**	**11 746**	**1 788**	**31 058**	**16 755**	**14 303**	**8 738**	**39 796**
Australia	8 201	7 810	1 144	17 155	6 391	10 764	2 886	20 041
New Zealand	6 153	3 718	636	10 507	10 194	313	50	10 557
World	**1 008 395**	**433 215**	**237 838**	**1 677 455**	**1 142 792**	**534 656**	**1 785 508**	**3 462 963**

[a] See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 3A. World Production of Lumber, 1988

Trade area[a]	Lumber			Railway ties	Total lumber and railway ties
	Softwoods	Hardwoods	Total		
			1 000 m^3		
North America	**147 357**	**20 680**	**168 037**	**210**	**168 247**
Canada	59 257	1 463	60 720	-	60 720
United States	88 100	19 217	107 317	210	107 527
Central America	**2 587**	**996**	**3 581**	**399**	**3 980**
Mexico	1 892	169	2 061	349	2 410
South America	**10 899**	**15 354**	**26 253**	**159**	**26 412**
Brazil	8 384	9 795	18 179	-	18 179
Chile	2 337	373	2 710	3	2 713
Venezuela	-	325	325	-	325
Africa	**2 339**	**6 067**	**8 406**	**322**	**8 728**
Algeria	8	2	10	3	13
Morocco	26	27	53	-	53
Middle East - Africa	27	66	93	5	97
Europe	**66 996**	**16 437**	**83 432**	**1 172**	**84 604**
Western Europe	53 446	11 655	65 101	630	65 731
Economic Community	22 345	8 652	30 997	499	31 496
Belgium-Luxembourg	725	270	995	14	1 009
Denmark	450	400	850	11	861
France	6 340	3 686	10 026	209	10 235
Germany, Fed. Rep.	8 747	1 576	10 323	72	10 395
Greece	180	230	410	-	410
Ireland	294	6	300	-	300
Italy	895	1 122	2 017	78	2 096
Netherlands	150	285	435	-	435
Portugal	1 072	278	1 350	60	1 410
Spain	1 839	535	2 374	53	2 427
United Kingdom	1 653	264	1 917	2	1 919
Scandinavia	21 126	290	21 416	61	21 477
Finland	7 720	70	7 790	33	7 823
Norway	2 375	10	2 385	2	2 387
Sweden	11 031	210	11 241	26	11 267
Other Western Europe	9 975	2 713	12 688	70	12 758
Eastern Europe	13 549	4 782	18 331	543	18 874
USSR	**90 300**	**12 700**	**103 000**	-	**103 000**
Asia	**53 800**	**50 844**	**104 644**	**738**	**105 382**
China, People's Rep.	17 046	9 170	26 216	66	26 282
Hong Kong	-	248	248	-	248
India	2 374	14 834	17 208	252	17 460
Japan	26 500	3 579	30 079	59	30 138
Korea, Rep. of (South)	2 886	1 062	3 948	66	4 014
Middle East - Asia	3 404	1 663	5 066	121	5 187
Southeast Asia	58	19 031	19 089	139	19 228
Oceania	**3 372**	**2 040**	**5 411**	**162**	**5 573**
Australia	1 436	1 842	3 278	148	3 426
New Zealand	1 842	25	1 867	14	1 881
World	**377 649**	**125 116**	**502 765**	**3 162**	**505 927**

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 3B. World Production of Lumber, 1989

Trade area[a]	Lumber			Railway ties	Total lumber and railway ties
	Softwoods	Hardwoods	Total		
			1 000 m^3		
North America	**143 030**	**19 025**	**162 055**	**210**	**162 265**
Canada	57 980	1 245	59 225	-	59 225
United States	85 050	17 780	102 830	210	103 040
Central America	**2 574**	**996**	**3 570**	**398**	**3 968**
Mexico	1 892	169	2 061	349	2 410
South America	**10 899**	**15 566**	**26 465**	**159**	**26 624**
Brazil	8 384	9 795	18 179	-	18 179
Chile	2 337	373	2 710	3	2 713
Venezuela	-	325	325	-	325
Africa	**2 361**	**6 147**	**8 508**	**322**	**8 830**
Algeria	8	2	10	3	13
Morocco	43	40	83	-	83
Middle East - Africa	24	64	88	5	92
Europe	**69 240**	**15 899**	**85 139**	**1 153**	**86 292**
Western Europe	56 061	11 519	67 580	611	68 191
Economic Community	24 553	8 589	33 142	480	33 622
Belgium-Luxembourg	850	250	1 100	14	1 114
Denmark	450	400	850	11	861
France	6 750	3 600	10 350	209	10 559
Germany, Fed. Rep.	9 734	1 599	11 333	72	11 405
Greece	187	168	355	-	355
Ireland	294	6	300	-	300
Italy	896	1 043	1 939	59	1 998
Netherlands	165	300	465	-	465
Portugal	1 300	290	1 590	60	1 650
Spain	2 102	569	2 671	53	2 724
United Kingdom	1 825	364	2 189	2	2 191
Scandinavia	21 391	290	21 681	61	21 742
Finland	7 660	70	7 730	33	7 763
Norway	2 480	10	2 490	2	2 492
Sweden	11 251	210	11 461	28	11 487
Other Western Europe	10 117	2 640	12 757	70	12 827
Eastern Europe	13 179	4 380	17 559	543	18 102
USSR	**87 700**	**12 300**	**100 000**	-	**100 000**
Asia	**53 802**	**52 171**	**105 972**	**730**	**106 702**
China, People's Rep.	16 185	8 707	24 892	66	24 958
Hong Kong	-	248	248	-	248
India	2 374	14 834	17 208	252	17 460
Japan	27 067	3 414	30 481	61	30 542
Korea, Rep. of (South)	2 886	1 062	3 948	66	4 014
Middle East - Asia	3 404	1 663	5 066	121	5 187
Southeast Asia	58	21 005	21 063	128	21 191
Oceania	**3 821**	**2 022**	**5 843**	**162**	**6 005**
Australia	1 644	1 820	3 464	148	3 612
New Zealand	2 092	25	2 117	14	2 131
World	**373 425**	**124 126**	**497 551**	**3 134**	**500 685**

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 4A. World Production of Panel Products, 1988

Trade area[a]	Plywood	Particle-board	Veneer sheets	Hardboard and building board	Rigid insulating board	Total panels
			1 000 m^3			
North America	**21 442**	**12 640**	**474**	**1 607**	**4 187**	**40 350**
Canada	2 162	2 860	474	125	587	6 208
United States	19 280	9 780	-	1 482	3 600	34 142
Central America	**289**	**523**	**10**	**148**	**-**	**970**
Mexico	229	436	2	86	-	753
South America	**1 613**	**1 257**	**380**	**726**	**92**	**4 048**
Brazil	1 300	660	234	592	61	2 847
Chile	33	175	5	48	-	261
Venezuela	53	98	-	-	7	158
Africa	**708**	**489**	**564**	**105**	**33**	**1 899**
Algeria	23	24	2	-	-	50
Morocco	90	30	25	-	-	145
Middle East - Africa	28	41	13	-	8	90
Europe	**3 248**	**26 863**	**1 792**	**3 427**	**1 216**	**36 546**
Western Europe	2 510	22 730	1 509	2 089	708	29 546
Economic Community	1 644	18 036	1 199	1 407	295	22 581
Belgium-Luxembourg	62	2 000	42	-	44	2 148
Denmark	30	290	11	-	-	331
France	483	2 030	58	199	71	2 841
Germany, Fed. Rep.	370	6 635	420	263	50	7 738
Greece	95	289	20	18	-	422
Ireland	-	66	-	170	-	236
Italy	410	3 090	555	240	-	4 295
Netherlands	15	30	17	-	22	84
Portugal	21	720	9	100	1	851
Spain	140	1 400	45	280	80	1 945
United Kingdom	18	1 486	22	137	27	1 690
Scandinavia	686	1 943	31	385	364	3 409
Finland	610	657	18	94	68	1 447
Norway	7	424	-	62	151	644
Sweden	69	862	13	229	145	1 318
Other Western Europe	180	2 751	279	297	49	3 556
Eastern Europe	738	4 133	283	1 338	508	7 000
USSR	**2 340**	**8 141**	**400**	**1 907**	**1 683**	**14 471**
Asia	**20 607**	**2 775**	**999**	**2 222**	**537**	**27 140**
China, People's Rep.	1 777	526	7	1 521	-	3 831
Hong Kong	12	-	-	-	-	12
India	360	32	4	43	3	442
Japan	7 291	1 064	300	375	524	9 554
Korea, Rep. of (South)	1 267	171	-	82	-	1 520
Middle East - Asia	196	759	22	96	10	1 083
Southeast Asia	9 609	158	665	93	-	10 524
Oceania	**186**	**899**	**54**	**417**	**99**	**1 655**
Australia	111	724	29	113	11	986
New Zealand	61	175	4	304	88	632
World	**50 433**	**53 586**	**4 853**	**10 560**	**7 847**	**127 079**

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 4B. World Production of Panel Products, 1989

Trade area[a]	Plywood	Particle-board	Veneer sheets	Hardboard and building board	Rigid insulating board	Total panels
			1 000 m^3			
North America	**21 985**	**12 047**	**474**	**1 901**	**3 726**	**40 113**
Canada	2 185	3 447	474	301	526	6 913
United States	19 800	8 600	-	1 600	3 200	33 200
Central America	**243**	**500**	**10**	**130**	**-**	**883**
Mexico	184	414	2	45	-	645
South America	**1 615**	**1 272**	**357**	**780**	**88**	**4 113**
Brazil	1 300	660	234	637	61	2 892
Chile	39	185	6	52	-	282
Venezuela	53	98	-	-	9	160
Africa	**716**	**485**	**564**	**106**	**33**	**1 904**
Algeria	23	24	2	-	-	50
Morocco	90	32	25	-	-	147
Middle East - Africa	32	35	22	-	8	97
Europe	**3 330**	**28 326**	**1 875**	**3 507**	**1 194**	**38 232**
Western Europe	2 628	24 012	1 606	2 338	701	31 285
Economic Community	1 751	19 164	1 297	1 681	298	24 191
Belgium-Luxembourg	65	2 100	45	-	37	2 247
Denmark	30	290	11	-	-	331
France	498	2 192	58	199	71	3 018
Germany, Fed. Rep.	412	7 229	448	380	60	8 529
Greece	90	270	20	18	-	398
Ireland	-	66	-	170	-	236
Italy	450	3 030	622	240	-	4 342
Netherlands	15	40	17	-	22	94
Portugal	24	810	9	181	1	1 025
Spain	150	1 700	45	320	80	2 295
United Kingdom	17	1 437	22	173	27	1 676
Scandinavia	698	1 953	31	368	350	3 400
Finland	623	671	18	98	72	1 482
Norway	7	418	-	54	132	611
Sweden	68	864	13	216	146	1 307
Other Western Europe	179	2 895	278	289	53	3 694
Eastern Europe	702	4 314	269	1 169	493	6 947
USSR	**2 303**	**8 342**	**400**	**1 907**	**1 683**	**14 636**
Asia	**20 917**	**2 771**	**1 007**	**2 228**	**531**	**27 454**
China, People's Rep.	1 678	485	7	1 480	-	3 650
Hong Kong	12	-	-	-	-	12
India	360	32	4	43	3	442
Japan	6 707	1 092	289	387	518	8 993
Korea, Rep. of (South)	1 180	164	-	109	-	1 453
Middle East - Asia	196	757	22	96	10	1 081
Southeast Asia	10 684	173	684	99	-	11 639
Oceania	**207**	**970**	**54**	**436**	**108**	**1 774**
Australia	130	799	29	110	13	1 081
New Zealand	62	171	4	326	95	658
World	**51 298**	**54 713**	**4 741**	**10 995**	**7 363**	**129 108**

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 5A. World Production of Wood Pulp, 1988

Trade area[a]	Chemical	Semi-chemical	Mechanical	Dissolving	Total wood pulp
			1 000 t		
North America	**57 831**	**4 288**	**15 455**	**1 506**	**79 080**
Canada	12 885	335	10 064	266	23 550
United States	44 946	3 953	5 391	1 240	55 530
Central America	**546**	**-**	**115**	**4**	**664**
Mexico	546	-	107	4	657
South America	**5 102**	**305**	**602**	**83**	**6 092**
Brazil	3 793	109	390	83	4 375
Chile	727	-	182	-	909
Venezuela	-	-	9	-	9
Africa	**703**	**163**	**286**	**581**	**1 733**
Algeria	-	-	-	-	-
Morocco	108	-	-	-	108
Middle East - Africa	-	-	-	-	-
Europe	**22 411**	**1 813**	**11 706**	**1 082**	**37 012**
Western Europe	19 731	1 541	11 163	761	33 196
Economic Community	5 255	588	3 278	231	9 352
Belgium-Luxembourg	223	-	224	-	447
Denmark	-	70	-	-	70
France	1 533	124	393	8	2 058
Germany, Fed. Rep.	629	81	1 508	140	2 358
Greece	-	-	18	-	18
Ireland	-	-	-	-	-
Italy	80	141	473	30	724
Netherlands	-	-	180	-	180
Portugal	1 472	-	-	-	1 472
Spain	1 318	24	209	53	1 604
United Kingdom	-	148	273	-	421
Scandinavia	12 817	782	7 272	307	21 178
Finland	5 205	405	3 239	152	9 001
Norway	749	85	1 129	140	2 103
Sweden	6 863	292	2 904	15	10 074
Other Western Europe	1 659	171	613	223	2 666
Eastern Europe	2 681	272	543	321	3 817
USSR	**8 161**	**588**	**2 177**	**692**	**11 618**
Asia	**10 389**	**598**	**2 885**	**436**	**14 308**
China, People's Rep.	1 375	-	403	-	1 778
Hong Kong	-	-	-	-	-
India	510	80	160	250	1 000
Japan	7 867	434	1 928	177	10 406
Korea, Rep. of (South)	155	-	158	-	313
Middle East - Asia	211	3	152	9	375
Southeast Asia	183	35	52	-	270
Oceania	**965**	**216**	**1 024**	**-**	**2 205**
Australia	383	197	414	-	994
New Zealand	582	19	610	-	1 211
World	**106 108**	**7 971**	**34 249**	**4 384**	**152 713**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 15.4% of the world's output of wood pulp.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 58. World Production of Wood Pulp, 1989

Trade area[a]	Chemical	Semi-chemical	Mechanical	Dissolving	Total wood pulp
			1 000 t		
North America	**57 982**	**4 297**	**15 973**	**1 566**	**79 818**
Canada	12 477	339	10 504	273	23 593
United States	45 505	3 958	5 469	1 293	56 225
Central America	**546**	-	111	4	**661**
Mexico	546	-	107	4	657
South America	**4 920**	**306**	**644**	**78**	**5 948**
Brazil	3 662	109	455	78	4 304
Chile	680	-	161	-	841
Venezuela	-	-	7	-	7
Africa	**694**	**163**	**286**	**581**	**1 724**
Algeria	-	-	-	-	-
Morocco	108	-	-	-	108
Middle East - Africa	-	-	-	-	-
Europe	**22 534**	**1 769**	**12 166**	**1 149**	**37 618**
Western Europe	19 886	1 493	11 632	810	33 821
Economic Community	5 428	577	3 494	236	9 735
Belgium-Luxembourg	240	-	240	-	480
Denmark	-	70	-	-	70
France	1 607	117	407	4	2 135
Germany, Fed. Rep.	654	82	1 544	138	2 418
Greece	-	-	18	-	18
Ireland	-	-	-	-	-
Italy	69	136	474	30	709
Netherlands	-	-	164	-	164
Portugal	1 482	-	-	-	1 482
Spain	1 376	24	201	64	1 665
United Kingdom	-	148	446	-	594
Scandinavia	12 797	750	7 499	348	21 394
Finland	5 378	373	3 203	164	9 118
Norway	667	92	1 296	169	2 224
Sweden	6 752	285	3 000	15	10 052
Other Western Europe	1 661	166	639	226	2 692
Eastern Europe	2 649	276	534	339	3 798
USSR	**7 970**	**539**	**2 149**	**668**	**11 326**
Asia	**10 396**	**508**	**2 963**	**448**	**14 315**
China, People's Rep.	1 389	-	402	-	1 791
Hong Kong	-	-	-	-	-
India	510	80	160	250	1 000
Japan	7 867	344	2 009	189	10 409
Korea, Rep. of (South)	155	-	158	-	313
Middle East - Asia	211	3	152	9	375
Southeast Asia	176	35	50	-	261
Oceania	**1 020**	**241**	**1 034**	-	**2 295**
Australia	394	203	439	-	1 036
New Zealand	626	38	595	-	1 259
World	**106 062**	**7 823**	**35 326**	**4 494**	**153 708**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 15.3% of the world's output of wood pulp.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 6A. World Production of Paper and Paperboard, 1988

Trade area[a]	Newsprint	Printing and writing paper	Wrapping and packaging paper and board	Tissue and sanitary paper	Other paper and paperboard	Total
			1 000 t			
North America	**15 396**	**22 501**	**39 357**	**5 423**	**3 548**	**86 225**
Canada	9 969	2 913	3 301	455	-	16 638
United States	5 427	19 588	36 056	4 968	3 548	69 587
Central America	**420**	**681**	**1 932**	**483**	**104**	**3 600**
Mexico	420	605	1 845	433	72	3 375
South America	**649**	**1 922**	**3 688**	**771**	**667**	**7 696**
Brazil	247	1 319	2 183	365	571	4 685
Chile	184	66	143	51	5	449
Venezuela	-	138	411	159	-	708
Africa	**438**	**519**	**1 264**	**109**	**131**	**2 460**
Algeria	-	40	78	2	-	120
Morocco	-	25	62	3	19	109
Middle East - Africa	-	64	103	-	19	186
Europe	**7 902**	**21 887**	**25 438**	**3 386**	**6 070**	**64 682**
Western Europe	7 564	20 806	23 448	3 128	3 803	58 749
Economic Community	2 667	12 562	14 969	2 408	2 413	35 019
Belgium-Luxembourg	114	574	263	119	63	1 133
Denmark	-	130	136	18	42	326
France	373	2 374	2 897	298	371	6 313
Germany, Fed. Rep.	897	4 398	3 823	746	712	10 576
Greece	10	62	85	85	40	282
Ireland	-	-	29	-	4	33
Italy	264	2 208	2 490	264	286	5 512
Netherlands	305	690	1 235	170	60	2 460
Portugal	-	151	387	50	93	681
Spain	175	816	1 803	219	395	3 408
United Kingdom	529	1 159	1 821	439	347	4 295
Scandinavia	4 346	6 372	6 620	486	659	18 483
Finland	1 400	4 373	2 343	165	371	8 652
Norway	882	339	370	32	47	1 670
Sweden	2 064	1 660	3 907	289	241	8 161
Other Western Europe	551	1 872	1 859	234	731	5 247
Eastern Europe	338	1 081	1 990	258	2 267	5 933
USSR	**1 694**	**1 394**	-	-	**7 733**	**10 821**
Asia	**4 883**	**13 888**	**13 721**	**1 534**	**13 402**	**47 428**
China, People's Rep.	718	3 715	-	-	9 711	14 144
Hong Kong	-	-	38	2	-	40
India	330	860	435	13	302	1 940
Japan	3 067	7 780	10 227	1 281	2 270	24 625
Korea, Rep. of (South)	368	745	2 125	142	279	3 659
Middle East - Asia	117	191	267	36	131	742
Southeast Asia	228	471	557	54	551	1 861
Oceania	**617**	**380**	**687**	**196**	**612**	**2 492**
Australia	362	333	380	136	581	1 792
New Zealand	255	47	307	60	31	700
World	**31 999**	**63 152**	**86 086**	**11 901**	**32 266**	**225 404**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 31.2% of the world's newsprint.

Source: Food and Agriculture Organization of the United Nations, 1989 Yearbook of Forest Products.

IX - 68. World Production of Paper and Paperboard, 1989

Trade area[a]	Newsprint	Printing and writing paper	Wrapping and packaging paper and board	Tissue and sanitary paper	Other paper and paperboard	Total
			1 000 t			
North America	**15 201**	**22 509**	**39 652**	**5 575**	**3 132**	**86 069**
Canada	9 678	3 190	3 225	462	-	16 555
United States	5 523	19 319	36 427	5 113	3 132	69 514
Central America	**420**	**675**	**1 935**	**485**	**114**	**3 629**
Mexico	420	605	1 845	433	72	3 375
South America	**626**	**1 895**	**3 559**	**757**	**736**	**7 572**
Brazil	230	1 329	2 246	373	628	4 806
Chile	175	68	146	52	6	445
Venezuela	-	94	286	141	3	524
Africa	**437**	**528**	**1 255**	**109**	**131**	**2 460**
Algeria	-	40	78	2	-	120
Morocco	-	25	62	3	19	109
Middle East - Africa	-	64	103	-	19	186
Europe	**8 123**	**22 952**	**26 121**	**3 474**	**6 079**	**66 749**
Western Europe	7 807	21 875	24 177	3 215	3 822	60 896
Economic Community	2 790	13 332	15 583	2 489	2 484	36 678
Belgium-Luxembourg	135	657	263	119	63	1 237
Denmark	-	130	136	18	42	326
France	379	2 548	3 109	320	398	6 754
Germany, Fed. Rep.	991	4 666	4 055	791	756	11 259
Greece	10	62	85	85	40	282
Ireland	-	-	29	-	5	34
Italy	258	2 264	2 517	264	252	5 555
Netherlands	280	735	1 325	170	60	2 570
Portugal	-	154	435	51	100	740
Spain	165	845	1 808	232	396	3 446
United Kingdom	572	1 271	1 821	439	372	4 475
Scandinavia	4 453	6 608	6 719	483	640	18 903
Finland	1 298	4 576	2 362	166	350	8 752
Norway	990	343	376	32	48	1 789
Sweden	2 165	1 689	3 981	285	242	8 362
Other Western Europe	564	1 935	1 875	243	698	5 315
Eastern Europe	316	1 077	1 944	259	2 258	5 854
USSR	**1 719**	**1 571**	**-**	**-**	**7 384**	**10 654**
Asia	**5 130**	**14 852**	**14 780**	**1 652**	**14 810**	**51 224**
China, People's Rep.	718	3 558	-	-	11 060	15 336
Hong Kong	-	-	38	2	-	40
India	330	860	435	13	302	1 940
Japan	3 217	8 828	11 118	1 351	2 295	26 809
Korea, Rep. of (South)	444	777	2 279	178	340	4 018
Middle East - Asia	116	190	272	43	131	752
Southeast Asia	250	472	580	60	546	1 908
Oceania	**658**	**383**	**716**	**217**	**631**	**2 605**
Australia	362	343	404	144	617	1 870
New Zealand	296	40	312	73	14	735
World	**32 314**	**65 365**	**88 017**	**12 269**	**32 997**	**230 962**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 29.8% of the world's newsprint.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 7A. World Exports of Forest Products, 1988

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S. $000 000				
North America	**2 934**	**5 570**	**6 437**	**1 028**	**8 121**	**5 333**	**9 767**	**28 430**
Canada	385	4 436	4 612	441	5 234	5 037	6 903	17 606
United States	2 549	1 134	1 825	587	2 887	295	2 864	10 825
Central America	**11**	**33**	**38**	**19**	**-**	**-**	**30**	**97**
Mexico	-	1	1	10	-	-	3	14
South America	**153**	**153**	**384**	**283**	**960**	**83**	**804**	**2 586**
Brazil	4	33	202	245	625	10	684	1 760
Chile	142	120	130	12	309	71	91	683
Venezuela	-	-	-	-	-	-	-	-
Africa	**570**	**13**	**231**	**122**	**280**	**55**	**164**	**1 373**
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	2	62	-	-	63
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	**1 524**	**4 216**	**5 240**	**3 228**	**5 146**	**2 889**	**25 517**	**40 677**
Western Europe	1 331	3 865	4 789	3 101	5 080	2 857	25 107	39 431
Economic Community	961	614	1 296	2 020	1 511	500	11 664	17 468
Belgium-Luxembourg	116	43	98	414	124	22	992	1 744
Denmark	37	18	23	63	17	-	178	328
France	378	43	268	293	236	54	1 771	2 947
Germany, Fed. Rep.	274	257	420	688	134	231	3 748	5 264
Greece	1	-	1	17	-	2	18	37
Ireland	12	13	25	56	-	1	39	132
Italy	6	27	83	224	36	21	1 311	1 660
Netherlands	37	43	185	63	2	118	1 723	2 010
Portugal	41	148	158	91	657	-	154	1 101
Spain	31	15	19	58	302	2	327	738
United Kingdom	29	7	17	54	3	50	1 403	1 507
Scandinavia	202	2 607	2 622	621	3 302	2 262	11 290	18 043
Finland	75	1 023	1 030	467	1 085	723	5 501	8 165
Norway	39	64	65	23	369	418	891	1 387
Sweden	87	1 519	1 527	130	1 849	1 120	4 897	8 490
Other Western Europe	168	644	871	461	267	96	2 153	3 921
Eastern Europe	193	351	451	127	66	32	410	1 246
USSR	**1 118**	**1 273**	**1 284**	**274**	**592**	**196**	**590**	**3 858**
Asia	**1 728**	**133**	**1 979**	**3 379**	**102**	**90**	**1 731**	**8 945**
China, People's Rep.	4	36	70	306	52	3	339	780
Hong Kong	16	1	35	115	15	5	202	383
India	1	-	1	13	-	-	1	16
Japan	6	1	15	40	8	55	502	571
Korea, Rep. of (South)	-	54	58	33	-	10	306	396
Middle East - Asia	7	13	20	20	-	-	38	85
Southeast Asia	1 610	28	1 766	2 851	27	17	342	6 614
Oceania	**502**	**66**	**80**	**45**	**150**	**53**	**136**	**913**
Australia	274	1	11	5	-	-	28	317
New Zealand	81	63	64	37	150	53	108	439
World	**8 541**	**11 456**	**15 674**	**8 377**	**15 349**	**8 699**	**38 740**	**86 878**

[a]See Section X.8 for details on groupings of trade areas used in this table.

Note: Canada accounts for 20.3% of total world exports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 7B. World Exports of Forest Products, 1989

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S. $000 000				
North America	**3 180**	**6 147**	**6 973**	**1 136**	**9 372**	**5 178**	**9 998**	**30 778**
Canada	350	4 700	4 835	491	5 862	4 786	6 841	18 379
United States	2 830	1 447	2 138	645	3 510	393	3 157	12 399
Central America	**9**	**31**	**38**	**19**	**-**	**-**	**30**	**93**
Mexico	-	1	1	10	-	-	3	14
South America	**171**	**158**	**398**	**286**	**958**	**84**	**795**	**2 608**
Brazil	4	33	202	251	610	10	684	1 751
Chile	159	126	135	11	322	71	81	707
Venezuela	-	-	-	-	-	-	-	-
Africa	**534**	**13**	**225**	**111**	**277**	**55**	**164**	**1 316**
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	2	59	-	-	61
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	**1 703**	**4 577**	**5 805**	**3 564**	**5 747**	**2 752**	**27 172**	**44 035**
Western Europe	1 523	4 253	5 380	3 408	5 688	2 717	26 718	42 762
Economic Community	1 042	673	1 315	2 186	1 605	467	12 751	18 936
Belgium-Luxembourg	123	70	107	448	142	23	1 022	1 843
Denmark	38	30	35	72	21	-	182	362
France	407	55	296	380	250	61	1 961	3 297
Germany, Fed. Rep.	309	257	373	706	140	224	4 592	6 138
Greece	1	-	1	17	-	2	18	37
Ireland	12	13	25	56	-	1	39	132
Italy	6	29	93	235	46	10	1 395	1 775
Netherlands	38	53	193	61	4	78	1 730	2 026
Portugal	48	143	155	100	698	-	188	1 189
Spain	31	15	19	58	302	2	327	738
United Kingdom	27	7	18	54	2	66	1 297	1 398
Scandinavia	220	2 748	2 764	643	3 673	2 164	11 521	18 829
Finland	83	998	1 007	483	1 210	622	5 737	8 526
Norway	62	133	134	38	424	428	902	1 558
Sweden	76	1 617	1 624	122	2 040	1 114	4 883	8 745
Other Western Europe	261	832	1 301	578	410	85	2 446	4 996
Eastern Europe	179	323	424	156	59	36	454	1 273
USSR	**1 031**	**1 288**	**1 300**	**270**	**609**	**190**	**544**	**3 753**
Asia	**1 851**	**138**	**2 568**	**3 885**	**93**	**63**	**2 616**	**11 042**
China, People's Rep.	18	41	62	243	54	1	337	725
Hong Kong	25	-	42	149	6	3	236	458
India	1	-	1	13	-	-	1	16
Japan	1	1	17	46	5	35	1 358	1 427
Korea, Rep. of (South)	-	54	58	33	-	10	306	396
Middle East - Asia	17	13	20	19	-	-	38	94
Southeast Asia	1 693	28	2 339	3 383	28	15	338	7 801
Oceania	**549**	**104**	**119**	**72**	**249**	**93**	**178**	**1 167**
Australia	295	1	9	3	-	-	21	328
New Zealand	117	96	99	65	249	93	156	685
World	**9 025**	**12 457**	**17 424**	**9 343**	**17 305**	**8 416**	**41 496**	**94 793**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for 19.4% of total world exports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 8A. World Imports of Forest Products, 1988

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S. $000 000				
North America	**290**	**3 125**	**3 640**	**1 283**	**2 674**	**4 462**	**8 310**	**16 257**
Canada	183	201	488	195	122	-	905	1 898
United States	107	2 925	3 152	1 088	2 552	4 462	7 405	14 358
Central America	**16**	**212**	**244**	**92**	**175**	**71**	**528**	**1 054**
Mexico	3	90	98	9	155	13	141	404
South America	**8**	**30**	**64**	**50**	**240**	**355**	**861**	**1 224**
Brazil	6	-	6	33	40	104	216	299
Chile	-	-	-	-	-	-	43	43
Venezuela	2	3	8	12	92	96	160	273
Africa	**176**	**586**	**743**	**219**	**91**	**73**	**836**	**2 108**
Algeria	46	116	117	10	21	2	129	324
Morocco	57	63	83	6	27	8	43	216
Middle East - Africa	61	352	384	154	4	38	265	906
Europe	**3 364**	**5 989**	**8 578**	**4 691**	**8 553**	**2 972**	**22 925**	**48 186**
Western Europe	3 262	5 654	8 232	4 568	8 198	2 915	22 476	46 812
Economic Community	1 825	5 188	7 551	3 912	7 461	2 856	20 302	41 119
Belgium-Luxembourg	159	186	378	222	322	118	1 421	2 504
Denmark	27	310	342	195	75	140	870	1 510
France	238	425	651	409	1 183	268	2 721	5 217
Germany, Fed. Rep.	367	819	1 189	855	2 299	646	4 513	9 234
Greece	49	102	117	27	80	43	190	463
Ireland	2	50	91	44	11	47	338	485
Italy	547	842	1 379	300	1 382	172	1 958	5 579
Netherlands	80	447	760	503	430	233	1 937	3 712
Portugal	132	3	18	8	21	44	268	448
Spain	166	147	288	69	244	76	707	1 477
United Kingdom	58	1 858	2 338	1 281	1 413	1 068	5 379	10 491
Scandinavia	838	213	317	320	180	-	795	2 455
Finland	225	2	32	24	47	-	163	494
Norway	141	180	201	102	49	-	273	765
Sweden	472	32	85	194	84	-	359	1 197
Other Western Europe	599	253	364	335	558	59	1 379	3 237
Eastern Europe	101	335	346	123	354	57	449	1 374
USSR	**35**	**15**	**52**	**75**	**204**	**16**	**618**	**984**
Asia	**7 571**	**1 993**	**3 579**	**1 808**	**3 589**	**959**	**5 194**	**21 828**
China, People's Rep.	1 213	10	255	282	561	90	1 331	3 645
Hong Kong	67	2	49	252	18	104	834	1 219
India	101	-	1	1	39	108	172	315
Japan	4 954	1 693	2 497	760	1 954	306	710	10 906
Korea, Rep. of (South)	906	14	130	-	559	-	214	1 816
Middle East - Asia	211	273	382	292	143	106	607	1 656
Southeast Asia	103	-	255	184	291	204	1 131	1 989
Oceania	**4**	**248**	**334**	**72**	**187**	**178**	**875**	**1 472**
Australia	-	212	289	54	176	143	716	1 236
New Zealand	3	10	19	6	10	32	140	178
World	**11 464**	**12 199**	**17 234**	**8 290**	**15 713**	**9 085**	**40 148**	**93 112**

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for only 2.0% of total world imports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 88. World Imports of Forest Products, 1989

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S. $000 000				
North America	315	3 494	4 012	1 326	3 189	4 651	8 802	17 727
Canada	189	187	415	207	138	-	974	1 928
United States	126	3 307	3 596	1 119	3 051	4 651	7 828	15 799
Central America	12	209	243	70	175	72	578	1 077
Mexico	3	90	96	9	155	13	141	404
South America	8	30	82	51	193	256	664	979
Brazil	6	-	6	33	40	104	216	299
Chile	-	-	-	-	-	-	43	43
Venezuela	2	3	8	12	46	51	87	155
Africa	176	613	767	219	93	73	840	2 137
Algeria	46	140	141	10	21	2	129	348
Morocco	57	63	83	6	31	8	49	226
Middle East - Africa	61	352	384	154	2	38	265	904
Europe	3 221	6 140	8 919	4 752	9 756	3 040	24 247	50 993
Western Europe	3 132	5 860	8 626	4 600	9 359	2 990	23 823	49 639
Economic Community	1 905	5 348	7 896	3 865	8 311	2 895	21 212	43 276
Belgium-Luxembourg	170	191	416	240	381	109	1 510	2 720
Denmark	51	324	329	194	83	135	869	1 526
France	231	387	638	431	1 307	271	2 906	5 527
Germany, Fed. Rep.	377	941	1 329	915	2 723	651	5 013	10 377
Greece	49	102	117	27	80	43	190	463
Ireland	2	50	91	44	11	47	338	486
Italy	572	939	1 493	304	1 571	236	2 021	5 979
Netherlands	81	491	916	510	485	216	1 992	3 987
Portugal	124	4	22	10	29	43	309	496
Spain	166	147	288	69	244	76	707	1 477
United Kingdom	82	1 769	2 257	1 122	1 396	1 067	5 356	10 238
Scandinavia	788	169	273	306	216	-	835	2 421
Finland	260	3	36	37	53	-	188	574
Norway	92	135	155	71	60	-	286	664
Sweden	435	31	82	198	102	-	362	1 183
Other Western Europe	440	345	457	429	833	95	1 777	3 942
Eastern Europe	89	280	292	152	397	49	423	1 355
USSR	29	9	45	86	215	69	714	1 088
Asia	9 295	2 363	4 280	2 353	3 715	969	5 936	25 678
China, People's Rep.	1 213	26	327	347	637	134	1 472	3 998
Hong Kong	63	2	54	268	10	104	856	1 252
India	88	-	1	1	39	97	161	291
Japan	6 436	2 043	2 971	1 229	1 980	308	1 325	13 978
Korea, Rep. of (South)	906	14	130	-	559	-	214	1 816
Middle East - Asia	170	276	390	294	144	107	601	1 621
Southeast Asia	403	-	398	176	314	171	1 111	2 433
Oceania	4	330	437	82	185	166	686	1 392
Australia	-	299	401	67	177	155	536	1 181
New Zealand	3	6	10	4	7	7	129	154
World	13 060	13 187	18 765	8 938	17 521	9 294	42 466	101 070

[a]See Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for only 1.9% of total world imports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 9A. World Apparent Consumption of Forest Products, 1988

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total
	1 000 m^3				1 000 t		
North America	**684 110**	**130 729**	**149 550**	**40 649**	**70 218**	**14 249**	**82 906**
Canada	178 377	18 661	20 012	4 545	15 316	1 415	6 058
United States	505 733	112 068	129 538	36 104	54 903	12 834	76 848
Central America	**60 407**	**3 819**	**5 325**	**1 241**	**1 118**	**564**	**4 329**
Mexico	22 315	2 545	3 089	782	1 057	446	3 509
South America	**326 909**	**10 018**	**24 980**	**3 278**	**4 997**	**1 107**	**7 498**
Brazil	251 631	8 265	17 639	2 212	3 369	387	3 797
Chile	12 619	1 289	1 621	200	430	63	353
Venezuela	1 476	31	378	178	279	181	955
Africa	**481 485**	**4 961**	**11 129**	**2 033**	**1 333**	**441**	**3 284**
Algeria	2 275	608	617	76	37	4	299
Morocco	2 466	415	493	149	54	12	183
Middle East - Africa	70 259	1 465	1 682	385	6	91	553
Europe	**377 774**	**74 829**	**96 273**	**41 098**	**42 007**	**7 664**	**60 949**
Western Europe	294 806	61 252	77 735	33 798	37 492	7 194	54 894
Economic Community	131 988	44 473	58 315	28 499	18 330	6 041	46 976
Belgium-Luxembourg	6 251	1 595	2 311	1 088	742	263	1 906
Denmark	1 589	1 829	2 297	761	129	223	1 074
France	40 032	8 196	11 854	3 557	3 509	755	7 913
Germany, Fed. Rep.	31 545	11 358	13 526	8 251	5 490	1 543	12 377
Greece	3 545	853	929	538	185	87	500
Ireland	1 073	447	507	201	15	82	336
Italy	14 306	5 116	7 777	4 685	2 809	504	6 397
Netherlands	1 605	2 345	3 253	1 412	835	494	2 771
Portugal	9 648	-219	109	392	484	67	893
Spain	16 532	2 515	3 826	2 041	1 472	299	3 911
United Kingdom	5 861	10 639	11 926	5 573	2 661	1 744	9 096
Scandinavia	123 891	9 707	10 178	2 703	16 057	674	4 161
Finland	50 049	2 694	2 816	696	7 394	197	1 496
Norway	12 520	2 620	2 650	708	1 568	167	816
Sweden	61 322	4 393	4 713	1 299	7 095	310	2 049
Other Western Europe	38 928	7 072	9 242	2 596	3 106	479	3 558
Eastern Europe	82 968	13 577	18 538	7 300	4 515	470	6 255
USSR	**373 555**	**82 298**	**94 965**	**13 502**	**10 818**	**1 386**	**10 324**
Asia	**1 113 181**	**61 500**	**110 196**	**23 205**	**20 231**	**6 2[illegible]**	**51 781**
China, People's Rep.	290 196	17 067	27 404	4 304	3 034	923	14 818
Hong Kong	844	12	336	248	5	150	1 003
India	265 374	2 376	17 466	427	1 067	531	2 203
Japan	87 703	33 040	38 589	12 165	13 452	3 337	25 010
Korea, Rep. of (South)	14 187	2 674	4 462	1 420	1 173	352	3 458
Middle East - Asia	25 314	4 841	7 104	1 907	603	320	1 581
Southeast Asia	276 948	-49	11 919	2 442	675	549	2 927
Oceania	**28 424**	**4 113**	**6 557**	**1 612**	**2 022**	**824**	**3 297**
Australia	12 757	2 454	4 674	1 080	1 278	625	2 652
New Zealand	8 430	1 463	1 524	489	745	195	622
World	**3 445 825**	**372 266**	**498 975**	**126 618**	**152 742**	**32 531**	**224 348**

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations, 1988 Yearbook of Forest Products.

IX - 98. World Apparent Consumption of Forest Products, 1989

Trade area[a]	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total
	1 000 m^3				1 000 t		
North America	684 557	130 790	149 245	40 354	70 591	14 347	82 494
Canada	176 151	18 469	19 895	5 451	15 524	1 493	6 197
United States	508 407	112 321	129 349	34 903	55 067	12 854	76 297
Central America	61 262	3 810	5 320	1 075	1 115	586	4 417
Mexico	22 642	2 545	3 089	674	1 057	446	3 509
South America	330 853	10 001	25 128	3 320	4 801	979	7 199
Brazil	255 435	8 265	17 639	2 236	3 384	370	3 918
Chile	12 186	1 275	1 589	226	359	49	350
Venezuela	1 494	31	378	180	142	98	658
Africa	494 433	5 085	11 403	2 059	1 334	437	3 282
Algeria	2 341	708	717	76	37	4	299
Morocco	2 711	432	523	151	68	12	181
Middle East - Africa	71 963	1 462	1 677	392	3	91	554
Europe	386 661	76 941	97 617	43 288	42 880	8 343	63 595
Western Europe	304 016	63 546	79 665	35 783	38 339	7 914	57 489
Economic Community	139 009	46 766	60 409	30 348	18 641	6 638	45 959
Belgium-Luxembourg	7 124	1 632	2 446	1 093	801	281	2 016
Denmark	1 698	1 713	2 124	768	117	219	1 087
France	39 087	8 228	11 759	3 607	3 601	757	8 321
Germany, Fed. Rep.	33 752	12 951	15 038	9 245	5 728	1 698	12 811
Greece	3 531	660	874	514	185	87	500
Ireland	1 223	447	507	201	15	62	337
Italy	15 283	5 457	7 884	4 798	2 805	610	6 675
Netherlands	1 645	2 488	3 642	1 473	805	518	2 915
Portugal	10 431	-29	315	528	523	65	726
Spain	18 390	2 778	4 123	2 391	1 533	289	3 949
United Kingdom	6 847	10 442	11 696	5 730	2 529	2 054	9 624
Scandinavia	126 129	9 815	10 293	2 707	16 495	703	4 264
Finland	52 000	3 139	3 264	738	7 548	219	1 488
Norway	11 473	2 252	2 294	612	1 669	160	578
Sweden	62 656	4 425	4 735	1 358	7 278	324	2 197
Other Western Europe	38 878	6 964	8 963	2 727	3 203	573	4 298
Eastern Europe	82 645	13 395	17 953	7 503	4 541	429	6 106
USSR	383 506	60 062	92 338	13 667	10 543	1 496	10 344
Asia	1 120 686	62 445	113 441	23 870	20 209	6 655	55 712
China, People's Rep.	287 952	16 271	25 979	4 412	3 034	998	16 126
Hong Kong	724	9	283	192	5	167	940
India	270 277	2 376	17 464	427	1 067	510	2 182
Japan	83 732	34 486	40 048	13 263	13 418	3 560	27 312
Korea, Rep. of (South)	14 187	2 674	4 462	1 353	1 173	428	3 817
Middle East - Asia	24 601	4 848	7 124	1 940	604	318	1 578
Southeast Asia	282 392	-49	14 914	1 981	662	531	2 964
Oceania	27 881	4 870	7 339	1 726	2 005	793	3 153
Australia	12 429	3 053	5 316	1 201	1 303	650	2 572
New Zealand	8 093	1 653	1 688	471	702	139	557
World	3 469 839	374 004	501 829	129 357	153 478	33 634	230 195

[a]See Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 10. Apparent Consumption of Forest Products by Major Commodity Group and Selected Countries, 1961-1989

Country/ year	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard	
		Softwood lumber	Total			Newsprint	Total
	1 000 m^3				1 000 t		
A. Canada							
1961	91 109	7 007	8 085	1 374	8 027	422	2 241
1965	100 792	9 226	10 531	1 969	9 810	481	3 031
1970	117 973	8 470	9 811	2 951	11 592	657	3 347
1975	115 955	11 298	12 709	4 168	9 927	661	3 440
1980	157 742	14 600	16 611	3 692	12 842	918	4 094
1981	143 504	12 634	14 224	3 945	12 661	959	4 655
1982	128 768	8 980	10 248	3 132	11 031	1 039	4 096
1983	155 292	7 966	9 296	4 373	12 551	1 011	4 437
1984	165 763	12 079	13 775	4 132	13 606	1 085	4 858
1985	168 518	15 442	16 936	4 536	13 446	716	4 831
1986	177 297	17 130	18 980	4 797	14 157	698	5 125
1987	175 842	20 370	22 330	5 517	14 602	901	5 405
1988	178 377	18 661	20 012	4 545	15 316	1 415	6 058
1989	176 151	18 469	19 895	5 451	15 524	1 493	6 197
B. United States							
1961	291 309	69 145	83 454	11 552	23 917	6 855	34 910
1965	320 518	78 193	96 268	17 877	30 712	7 637	42 247
1970	315 422	75 711	93 090	25 203	37 676	9 032	49 752
1975	291 896	71 933	85 697	26 211	37 187	8 503	48 460
1980	399 337	84 110	101 196	27 401	46 448	10 673	60 707
1981	404 209	76 826	92 755	28 385	47 564	10 837	61 470
1982	379 778	76 199	87 341	25 401	45 022	10 219	58 808
1983	420 764	91 587	104 726	31 435	48 091	10 697	63 309
1984	457 579	100 511	114 913	33 127	51 226	11 912	68 823
1985	457 334	104 107	118 437	34 916	49 629	12 324	68 171
1986	493 921	110 405	127 651	37 354	52 020	12 543	71 642
1987	510 737	116 145	134 986	36 183	54 068	13 135	75 223
1988	505 733	112 068	129 538	36 104	54 903	12 834	76 848
1989	508 407	112 321	129 349	34 903	55 067	12 854	76 297
C. World							
1961	2 053 568	262 913	344 211	26 335	61 607	14 477	77 485
1965	2 228 287	292 152	382 128	42 080	77 756	16 918	97 155
1970	2 462 557	311 627	413 503	69 839	101 646	21 408	125 875
1975	2 580 894	303 884	404 362	84 381	101 742	20 874	130 551
1980	2 936 140	331 142	448 536	100 355	125 240	25 686	168 910
1981	2 944 428	313 280	428 101	100 227	124 492	26 501	169 802
1982	2 936 915	309 546	420 985	96 211	119 255	25 627	167 437
1983	3 054 660	324 477	438 026	104 914	127 670	26 145	176 170
1984	3 169 983	341 054	458 214	108 072	135 421	28 129	189 500
1985	3 202 448	348 053	467 061	111 276	135 356	28 478	191 892
1986	3 309 739	361 574	483 494	117 147	140 656	29 506	201 810
1987	3 387 348	374 772	503 142	121 871	146 646	31 320	212 649
1988	3 445 825	372 286	498 975	126 618	152 742	32 531	224 346
1989	3 469 839	374 004	501 829	129 357	153 478	33 634	230 195

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 11. Production of Forest Products (Quantity) by Major Commodity Group and Selected Countries, 1961-1989

Country/ year	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard	
		Softwood lumber	Total			Newsprint	Total
	1 000 m^3				1 000 t		
A. Canada							
1961	93 569	18 483	19 644	1 493	10 574	6 095	7 975
1965	103 670	24 302	25 782	2 314	13 221	7 003	9 758
1970	121 385	25 408	26 932	3 288	16 609	7 996	11 253
1975	115 276	25 742	26 715	3 734	14 831	7 010	10 087
1980	158 842	42 895	44 324	4 802	19 945	8 625	13 390
1981	144 572	38 719	39 675	4 711	19 275	8 946	13 835
1982	129 673	36 078	37 168	4 134	17 007	8 117	12 408
1983	156 965	41 157	42 070	5 324	19 221	8 486	13 353
1984	167 482	48 582	49 869	5 474	20 451	9 014	14 222
1985	168 654	53 443	54 586	6 056	20 250	8 991	14 448
1986	177 097	54 163	55 616	5 924	21 512	9 289	15 259
1987	177 097	61 011	62 498	6 596	22 645	9 673	16 057
1988	179 957	59 257	60 720	6 208	23 550	9 969	16 638
1989	176 976	57 980	59 225	6 913	23 593	9 678	16 555
B. United States							
1961	289 770	61 086	75 161	10 832	22 759	1 863	30 758
1965	322 564	68 815	86 437	16 412	29 154	1 978	37 866
1970	327 945	64 971	81 854	23 028	37 318	3 143	45 805
1975	307 723	61 867	75 903	25 005	36 808	3 348	45 248
1980	418 453	66 588	84 112	26 224	46 187	4 238	56 839
1981	419 016	59 969	76 310	27 300	47 200	4 753	57 867
1982	396 896	58 830	70 307	24 204	44 786	4 574	54 899
1983	437 762	68 208	81 920	29 518	47 660	4 687	58 804
1984	474 562	73 571	88 451	30 904	50 398	5 029	62 366
1985	476 120	73 918	88 361	32 194	49 061	4 923	60 959
1986	511 489	81 951	99 632	34 908	51 927	5 108	64 444
1987	530 103	88 264	107 691	34 008	54 058	5 300	67 532
1988	529 795	88 100	107 527	34 142	55 530	5 427	69 587
1989	533 168	85 050	103 040	33 200	56 225	5 523	69 514
C. World							
1961	2 050 551	263 251	344 219	26 281	61 531	14 362	77 493
1965	2 223 048	293 171	382 476	41 893	77 806	17 017	97 615
1970	2 463 333	312 099	414 553	69 560	101 936	21 492	126 481
1975	2 582 902	304 740	405 096	84 437	102 103	20 442	130 472
1980	2 932 118	333 769	451 020	101 020	125 820	25 415	170 220
1981	2 937 727	315 612	430 019	100 337	125 180	26 513	170 954
1982	2 933 599	311 543	422 829	96 185	119 576	24 962	167 258
1983	3 047 559	327 350	441 427	105 446	128 216	25 999	177 227
1984	3 162 505	343 309	460 848	108 496	135 622	27 790	189 970
1985	3 195 340	348 976	467 528	111 823	135 487	28 246	192 645
1986	3 299 862	361 519	483 549	117 350	140 802	29 325	201 949
1987	3 380 317	377 580	505 277	121 437	146 304	30 656	212 670
1988	3 433 068	377 649	505 927	127 079	152 713	31 999	225 404
1989	3 462 963	373 425	500 685	129 108	153 706	32 314	230 962

Source: Food and Agriculture Organization of the United Nations, 1989 Yearbook of Forest Products.

IX - 12. Exports of Forest Products (Quantity) by Major Commodity Group and Selected Countries, 1961-1989

Country/ year	Roundwood	Lumber and railway ties		Panel products	Wood pulp	Paper and paperboard	
		Softwood lumber	Total			Newsprint	Total
	1 000 m^3				1 000 t		
A. Canada							
1961	3 781	11 832	12 169	210	2 603	5 673	5 881
1965	4 950	15 458	15 932	468	3 495	6 523	6 871
1970	5 598	17 337	17 743	579	5 063	7 339	8 073
1975	2 402	15 305	15 522	482	4 986	6 349	7 158
1980	4 249	28 966	29 326	1 344	7 244	7 707	9 555
1981	3 930	27 293	27 631	1 218	6 752	7 987	9 558
1982	3 564	27 605	27 903	1 171	6 123	7 078	8 642
1983	5 022	33 964	34 249	1 265	6 823	7 475	9 341
1984	5 737	37 131	37 484	1 619	7 040	7 949	9 903
1985	4 750	38 664	39 004	1 819	7 024	8 275	10 157
1986	5 068	37 826	38 192	1 587	7 622	8 591	10 763
1987	6 157	41 381	41 862	1 586	8 241	8 772	11 338
1988	6 004	41 453	42 202	2 237	8 406	8 554	11 514
1989	5 093	40 548	41 030	2 068	8 241	8 185	11 284
B. United States							
1961	2 662	1 450	1 797	43	1 068	165	948
1965	5 796	1 969	2 304	86	1 272	76	1 541
1970	16 391	2 720	3 035	304	2 808	130	2 424
1975	18 198	3 248	4 073	1 025	2 391	150	2 563
1980	22 362	4 647	5 834	968	3 392	159	4 186
1981	17 849	4 477	5 618	1 315	3 322	245	3 591
1982	19 759	3 818	4 694	917	3 060	279	3 299
1983	20 269	4 332	5 522	1 135	3 275	268	3 505
1984	19 935	3 748	5 016	1 048	3 215	278	3 386
1985	21 368	3 555	4 534	936	3 415	285	3 221
1986	20 410	4 406	5 662	1 361	4 013	356	3 796
1987	22 566	5 781	7 571	1 708	4 397	308	4 117
1988	27 084	7 800	10 697	2 147	4 987	388	4 591
1989	28 232	8 229	10 358	2 483	5 635	623	5 046
C. World							
1961	38 351	36 352	40 981	3 084	9 773	7 732	12 772
1965	49 768	43 950	49 434	5 292	12 480	8 985	16 540
1970	96 382	49 348	57 424	9 728	16 921	10 641	23 390
1975	100 942	43 250	52 410	12 436	15 078	9 369	23 069
1980	116 957	65 938	79 625	16 323	21 188	12 321	35 108
1981	100 429	60 656	72 547	16 758	20 197	12 922	35 370
1982	99 276	61 439	73 095	15 443	18 533	11 508	33 688
1983	101 312	70 576	83 780	17 388	21 080	12 143	36 744
1984	103 747	72 754	86 111	18 243	21 529	13 127	39 803
1985	108 425	73 472	85 981	19 332	21 779	13 940	40 972
1986	107 066	73 656	87 039	20 655	23 291	14 288	43 464
1987	118 879	78 824	94 318	23 492	24 628	14 674	46 825
1988	124 615	82 241	100 157	25 909	25 806	14 464	50 699
1989	127 901	81 477	99 088	28 443	25 913	14 380	52 543

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 13. Exports of Forest Products (Value) by Major Commodity Group and Selected Countries, 1961-1989

Country/ year	Roundwood	Lumber and railway tie: Softwood lumber	Lumber and railway tie: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S. $000 000				
A. Canada								
1961	39	343	366	35	332	730	784	1 535
1965	50	456	490	70	459	809	866	1 935
1970	71	614	650	77	753	1 065	1 192	2 743
1975	58	933	961	94	1 789	1 714	1 980	4 881
1980	172	2 793	2 884	274	3 311	3 143	3 883	10 523
1981	162	2 471	2 553	255	3 186	3 608	4 272	10 428
1982	175	2 311	2 378	251	2 622	3 309	3 975	9 401
1983	222	3 169	3 238	301	2 481	3 250	3 998	10 240
1984	268	3 232	3 306	349	3 019	3 695	4 577	11 519
1985	207	3 316	3 381	355	2 484	3 958	4 794	11 221
1986	268	3 505	3 584	328	2 932	4 079	5 029	12 140
1987	342	4 344	4 449	363	4 128	4 547	5 814	15 096
1988	385	4 436	4 612	441	5 234	5 037	6 903	17 605
1989	350	4 700	4 835	491	5 862	4 786	6 841	18 379
B. United States								
1961	55	62	84	10	159	23	212	521
1965	127	94	120	23	190	11	317	789
1970	407	162	194	42	484	19	515	1 634
1975	871	342	413	222	897	52	1 101	3 537
1980	2 007	778	1 054	284	1 629	86	2 017	7 083
1981	1 585	653	926	349	1 656	140	2 013	6 614
1982	1 528	576	805	251	1 408	143	1 714	5 778
1983	1 372	596	898	311	1 351	127	1 719	5 720
1984	1 374	530	835	236	1 483	114	1 813	5 805
1985	1 451	493	754	228	1 343	131	1 559	5 407
1986	1 420	640	987	330	1 650	195	1 899	6 359
1987	1 851	851	1 349	442	2 309	210	2 219	8 261
1988	2 549	1 134	1 825	587	2 887	295	2 864	10 825
1989	2 830	1 447	2 138	645	3 510	393	3 157	12 399
C. World								
1961	889	1 344	1 608	407	1 205	1 001	2 088	5 977
1965	926	1 701	2 045	686	1 598	1 125	2 689	7 967
1970	1 896	2 180	2 688	1 146	2 498	1 493	4 336	12 594
1975	3 726	3 839	4 976	2 273	5 344	2 729	9 492	25 866
1980	8 763	9 087	12 344	5 161	9 543	5 293	20 047	55 997
1981	6 651	7 682	10 261	4 922	9 279	5 868	20 040	51 274
1982	6 285	7 007	9 402	4 327	7 773	5 282	18 737	46 633
1983	5 899	8 044	10 837	4 654	7 698	5 062	18 529	47 725
1984	5 414	7 984	10 611	4 517	9 065	5 582	20 724	50 436
1985	5 471	7 716	10 118	4 846	7 838	6 046	21 613	49 991
1986	5 872	8 642	11 617	5 449	9 152	6 686	25 837	58 034
1987	7 413	10 095	13 667	7 262	12 478	7 706	32 212	73 166
1988	8 541	11 456	15 674	8 377	15 349	8 699	38 740	85 878
1989	9 025	12 457	17 424	9 343	17 305	8 416	41 496	94 793

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

IX - 14. Imports of Forest Products (Value) by Major Commodity Group and Selected Countries, 1961-1989

Country/ year	Roundwood	Lumber and railway ties: Softwood lumber	Lumber and railway ties: Total	Panel products	Wood pulp	Paper and paperboard: Newsprint	Paper and paperboard: Total	Total forest products
				U.S. $000 000				
A. Canada								
1961	14	15	31	14	8	-	42	108
1965	27	17	36	20	12	-	51	147
1970	30	21	39	36	8	-	48	163
1975	63	70	127	143	28	-	247	610
1980	82	92	251	76	64	-	224	700
1981	84	108	255	129	67	-	321	858
1982	80	58	157	54	68	-	273	636
1983	102	99	240	95	66	-	338	845
1984	128	84	246	99	94	-	438	1 012
1985	136	82	230	100	91	-	424	986
1986	166	103	280	135	90	-	471	1 148
1987	155	105	344	157	106	-	550	1 320
1988	183	201	488	195	122	-	905	1 898
1989	189	187	415	207	138	-	974	1 928
B. United States								
1961	39	274	315	108	303	687	718	1 483
1965	35	318	375	192	398	790	833	1 836
1970	46	424	487	265	480	930	1 022	2 303
1975	52	834	920	334	1 037	1 457	1 614	3 984
1980	94	1 767	1 915	586	1 673	2 638	3 314	7 592
1981	97	1 699	1 851	660	1 753	2 825	3 347	7 720
1982	91	1 569	1 671	504	1 485	3 749	4 338	8 097
1983	114	2 646	2 800	853	1 485	2 817	3 734	8 991
1984	98	2 557	2 723	766	1 845	3 370	5 067	10 519
1985	80	2 772	2 942	791	1 517	3 720	5 427	10 781
1986	60	2 841	2 997	852	1 581	3 682	5 621	11 131
1987	83	3 054	3 309	1 099	2 032	4 116	6 466	13 027
1988	107	2 925	3 152	1 088	2 552	4 462	7 405	14 358
1989	126	3 307	3 596	1 119	3 051	4 651	7 828	15 799
C. World								
1961	936	1 509	1 841	435	1 316	1 125	2 230	6 578
1965	1 357	1 925	2 361	730	1 743	1 251	2 870	9 084
1970	2 721	2 441	3 021	1 184	2 650	1 619	4 568	14 171
1975	5 187	4 222	5 587	2 309	5 594	3 117	10 151	28 911
1980	12 438	10 181	13 969	5 237	9 777	5 758	20 846	62 397
1981	8 998	8 271	11 399	5 133	9 607	6 165	21 008	56 278
1982	8 534	8 082	11 035	4 577	8 452	6 936	21 647	54 391
1983	8 017	8 679	11 727	4 736	8 076	5 564	20 086	52 783
1984	7 974	8 459	11 496	4 648	9 348	6 074	22 323	55 984
1985	7 567	8 278	11 214	4 610	8 430	6 535	23 394	55 406
1986	8 241	9 511	12 769	5 468	9 542	7 092	28 149	64 357
1987	10 709	11 177	15 777	7 334	12 900	8 263	33 739	80 691
1988	11 464	12 199	17 234	8 290	15 713	9 085	40 148	93 112
1989	13 060	13 187	18 765	8 938	17 521	9 294	42 466	101 070

Source: Food and Agriculture Organization of the United Nations. 1989 Yearbook of Forest Products.

SECTION X

USER'S GUIDE

- Definitions of terms
- Trade area groupings
- Reference notes

USER'S GUIDE

A . Definitions of terms

Age class: Any interval into which the age range of trees, forests, stands, or forest types is divided for classification and use. Also the tree, forest, stand, or forest type falling into such an interval.

Balance of trade: The difference between the dollar, or money, value of a country's exports and imports of merchandise or of goods and services. If a country exports more than it imports, it has a trade surplus; if it imports more than it exports, it has a trade deficit. The balance of trade is an important part of a country's overall balance of payments.

Canaim (Canadian Socio-Economic Information Management System): A fully computerized data bank of Statistics Canada's current and historical information from its most widely used series of statistics.

Clearcut: An area of forest land from which all merchantable trees have recently been harvested.

Constant dollar: Represents the value of expenditure or production measured in terms of some fixed base period's prices. (Changes in constant dollar expenditure or production can only be brought about by changes in the physical quantities of goods purchased or produced.)

Consumer price index: Measures the rate of change in a typical basket of consumer goods and services, including housing, food, and health care. It can be broken down into food and nonfood items, goods and services, and other components.

Domestic exports: Include goods grown, extracted, or manufactured in Canada, including goods of foreign origin which have been materially transformed in Canada.

Employment, census of manufactures: Excludes working owners and partners of unincorporated businesses, which are separately tabulated, and outside pieceworkers. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those employees at the establishment engaged in processing, assembling, storing, inspecting, handling, and packing products and in maintenance, repair, janitorial, and security services; and working foremen. (Outside pieceworkers' remuneration is included in cost of materials.) Administrative office and other non-manufacturing employees include all functions at head offices, sale offices, and auxiliary units as well as cafeteria workers, research personnel, truck drivers, etc.

Employment, labor force survey: Persons who, during the reference period, a) did any work at all, for pay or profit in the context of an employer-employee relationship, or were self-employed (including unpaid family work, which is defined as work contributing directly to the operation of a family farm, business, or professional practice owned or operated by a related member of the household); or b) had a job but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labor dispute, or other reasons (excluding persons on layoff and those with a job to start at a future date).

Establishment: The smallest unit capable of reporting certain specified input and output data; usually a plant or mill. Numbers for 1975 declined owing to the exclusion of existing establishments deemed to have no paid employees. Principal statistics of an establishment active in more than one municipality are prorated to "quasi-establishment" locations, which are treated as establishments in compilations.

Even-aged: Of a forest, stand, or forest type in which relatively small age differences exist between individual trees. (The maximum difference in age permitted is usually 10 to 20 years; if the stand will not be harvested until it is 100 to 200 years old, larger differences up to 25% of the rotation age may be allowed.)

Forest biomass (as reported in section I, table I-1): It is the mass of the above-ground portion of live trees; it is expressed as ovendry tonnes; it includes small-diameter trees and it excludes dead trees and branches, roots, and nonwoody vegetation.

Forest land: Land primarily intended for growing, or currently supporting, forest. Includes land not now forested, e.g. clearcut lands; northern lands that are forested but not intended for any use; and plantations.

Fuel and electricity (cost of): Consumption of purchased fuel and electricity only, at laid-down cost including transportation and handling charges, duties, etc. Applies to large establishments only. Data for nonmanufacturing activity are included under manufacturing activity except where an ancillary office uses a separate "head office" report. In this latter case, the fuel reported is included under cost of materials for "Total Activity" only.

Gross merchantable volume of wood: Volume of the main stem, excluding stump and top but including defective and decayed wood, of trees or stands of trees.

Growing stock: The sum (by number, basal area, or volume) of trees in a forest or a specified part of it.

Hardwood(s): Trees belonging to the botanical group Angiospermae with broad leaves usually all shed annually. Also, stands of such trees and the wood produced by them.

Immature: In even-aged management, those trees or stands that have grown past the regeneration stage but are not yet mature.

Implicit price index: The most comprehensive of all the indicators available in Canada for measuring price change, because it covers the entire range of goods and services produced and sold in the economy. It is, therefore, used as a measure of price change taking place in the economy as a whole. Moreover, implicit price indexes are available for each of the main expenditure components of Gross National Product. Therefore, this set of indicators can be used to trace and identify pressure points among the principal areas of demand as they are seen to be associated with inflationary developments in the economy.

Imports: Include all goods that have crossed Canada's territorial boundary, whether for immediate consumption in Canada or stored in bonded Customs warehouses.

Indirect taxes: Taxes that represent a business cost or that are incorporated into prices at the retail level are taken here as indirect. They constitute, in effect, taxes on expenditures.

Lumber: The product of saw and planing mills that is not further manufactured beyond sawing, resawing, passing lengthwise through a standard planing machine, crosscutting to length, and matching.

Materials and supplies (cost of): Generally, consumption of purchased items only at laid-down cost including transportation and handling charges, duties, etc. Includes transfers between units of the same company and work done on contract by others. At the manufacturing activity level, this item represents purchased items used in manufacturing operations.

Mature: In even-aged management, those trees or stands that are sufficiently developed to be harvestable and that are at or near rotation age (includes overmature trees and stands if an overmature class has not been recognized).

Mechanical wood pulp: The production of fibers and fiber bundles by grinding wood with pulpstones or by mechanical refiners as opposed to chemical methods.

Nonreserved (land): Forest land that, by law or policy, is available for the harvesting of forest crops.

Overmature: In even-aged management, those trees or stands past the mature stage.

Paper: Generally, a matted or felted sheet of vegetable fiber, formed on a screen from a water suspension, used for writing and printing as well as for wrapping and many other purposes. Paper is one of two broad subdivisions of the general term "paper"; the other is paperboard.

Paperboard: A general term describing sheets made of fibrous material 0.012 in. (0.3 mm) or more in thickness. Compared with paper, paperboard is heavier per unit area, thicker, and more rigid. Paperboard is the term used to describe any single variety, or group of varieties, of board materials used in the production of boxes, folding cartons, and solid fiber and corrugated shipping containers.

Particleboard: A generic term for a panel manufactured from lignocellulosic materials - commonly wood - essentially in the form of particles (as distinct from fibers). These materials are bonded together with synthetic resin or other suitable binder, under heat and pressure, by a process wherein the interparticle bonds are created wholly by the added binder.

Plywood: A composite panel or board made up of cross-banded layers or plies, bonded with an adhesive, of veneer only, or veneer in combination with a core of lumber, or of particleboard. Generally the grain of one or more plies is roughly at right angles to that of the other plies. An odd number of plies is almost always used.

Production and related workers: See Employment, Census of Manufactures.

Productive (timber): Forest land that is capable of producing a merchantable stand within a reasonable length of time.

Re-exports: Exports of goods of foreign origin which have not been materially transformed in Canada, including foreign goods withdrawn for export from bonded Customs warehouses.

Reforestation: The process of rebuilding a forest after it has been logged, or after a fire or other natural processes such as disease have killed the timber. Reforestation is accomplished by a variety of methods, including the planting of seedlings, the sowing of seed, or natural regeneration from "seed trees." (Before replanting, the ground usually is cleared of most of the debris, and efforts are made to limit the growth of brush and grasses that would compete with the seedlings for water and light.)

Regeneration: The renewal of a forest crop by natural or artificial means. Also, the new crop so obtained. The new crop is generally less than one metre in height.

Reserved (land): Forest land that, by law or policy, is not available for the harvesting of forest crops.

Roundwood: Sections of tree stems, with or without bark. Includes logs, bolts, posts, pilings, and other products still "in the round."

Salaries and wages: These are compiled before deductions for income tax and employee-paid portions of both employee benefits and social insurance. They include payments for regular work, overtime, and paid leave as well as bonuses, commissions paid to regular employees, severance pay, etc. Withdrawals of working owners and partners of unincorporated businesses are excluded.

Seedling: A young tree having a diameter at breast height equal to or less than 1 cm. Includes trees with a height less than 1.30 m.

Selling price index: An index that shows changes in the overall inflation rate or the rate of price change for a particular sector of the economy, with the base year equal to 100.

Semichemical pulp: Pulp obtained by mild treatment of wood chips by any of the chemical pulping processes, which remove only part of the lignin from the wood chips, followed by mechanical treatment to complete the separation of individual cellulose fibers.

Shakes: In construction, a type of shingle usually hand split from a bolt and used for roofing or weatherboarding.

Shingles: Thin, rectangular pieces of wood, sawn along the grain and tapering in thickness, used like tiles for roofing and weatherboarding.

Silviculture: The theory and practice of controlling the establishment, composition, care, and development of stands of trees to achieve the objectives of management.

Softwood(s): Cone-bearing trees with needle- or scale-like leaves belonging to the botanical group Gymnospermae. Also, stands of such trees and the wood produced by them.

Stocked forest land: Land supporting tree growth. In this context, tree growth includes seedlings and saplings.

Subsidies: Direct or indirect payments or other assistance to someone to produce goods or services - to benefit the consumer by lower prices, to protect producers against a decline in the price of their products, to encourage certain types of economic production, or to promote certain types of socially desirable activity.

Sulphate (kraft) pulp: A chemical wood pulp obtained by cooking wood chips at high temperature in a solution of sodium hydroxide and sodium sulfide.

Sulphite pulp: A chemical wood pulp obtained by cooking wood chips in a bisulfite-sulfurous acid solution.

Total exports: The sum of Domestic exports and Re-exports.

Uneven-aged: Of a forest, stand, or forest type in which intermingling trees differ markedly in age. (The minimum difference in age permitted in an uneven-aged stand is usually 10 to 20 years).

Unproductive (timber): Forest land that is incapable of producing a merchantable stand within a reasonable length of time. Includes muskeg, rock, barrens, marshes, meadows, etc., within a forest land area.

Value added, manufacturing activity: Value of shipments of goods of own manufacture plus net change in inventory of goods in process and finished goods, less cost of materials and supplies used, fuel, and electricity.

Value added, total activity: Consists of value added, manufacturing activity and value added, nonmanufacturing activity. The latter is calculated by subtracting relevant commodity inputs from nonmanufacturing revenue or output; these commodity inputs are net of the change in inventories of goods purchased for resale. Nonmanufacturing revenues include depreciable fixed assets produced by own work force for own use, revenue from product rentals, etc., but exclude nonoperating revenue such as real property rentals, dividends, and interest.

Value of shipments of goods of own manufacture: Net selling value of goods made by reporting establishment, or for its account, from its own materials. Excludes discounts, returns, allowances, sales tax, excise taxes and duties, returnable containers, and common or contract carriers' charges for outward transportation (but not own carriers' delivery expense). Includes repair and custom revenue, transfer to reporting units of same firm, all exports, and book value of own products shipped the first time on a rental basis. Includes consignment shipments to other countries, but domestic consignment shipments are included in inventory units sold.

Veneer: A thin layer or sheet of wood.

Waferboard: A type of particleboard composed of wafers cut from roundwood bolts (mostly poplar) of uniform length and thickness resembling small pieces of veneer. The wafers are bonded together with resin binder, under heat and pressure, by a process similar to that by which particleboard is made.

Working owners and partners: Include only those active in unincorporated businesses.

B. Trade area groupings

This is a selection of trade area groupings used in this publication.

Countries are arranged primarily according to geographical location. The country classification employed does not reflect the views or intentions of the Government of Canada on international issues of recognition, sovereignty, or jurisdiction. The trade areas shown in section III (Statistics Canada) and section IX (FAO) include groupings that are defined as follows:

Central America[a]: Anguilla, Antigua and Barbuda, Bahamas, Barbados, Belize, Bermuda[b], British Virgin Islands[b], Cayman Islands[b], Costa Rica, Cuba, Dominica, Dominican Republic, El Salvador, Grenada[b], Guadeloupe, Guatemala, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat[b], Netherlands Antilles (includes Aruba), Nicaragua, Panama, Puerto Rico, Saint Lucia[b], St. Kitts-Nevis[b], St. Vincent and the Grenadines[b], Trinidad and Tobago, Turks and Caicos Islands[b], and United States Virgin Islands[b].

China, People's Republic: China and Mongolian People's Republic.

Eastern Europe[a]: Albania, Bulgaria, Czechoslovakia, Germany (East)[d], Hungary, Poland, and Romania.

European Economic Community (EEC): Belgium-Luxembourg, Denmark (includes Faeroe Islands), France (includes Andorra and Monaco), Germany[e], Greece[c], Ireland, Italy (includes San Marino and Vatican City State), Netherlands, Portugal[c], Spain[c], and United Kingdom.

Middle East - African part: Egypt, Ethiopia, Libyan Arab Jamahiriya, Somalia, and Sudan.

Middle East - Asian part: Bahrain, Cyprus, Emirates (United Arab), Iran (Islamic Republic), Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syrian Arab Republic, Turkey, Yemen South, and Yemen North.

Oceania: Australia, Cocos Islands, Nauru, New Zealand, and Norfolk Island.

Other Africa: Algeria, Angola, Benin, Botswana, British Indian Ocean Territory[b], Burkina Faso[b], Burundi, Cameroon, Cape Verde, Central African Republic[b], Chad, Comoros, Congo, Côte-d'Ivoire, Djibouti, Equatorial Guinea, French Southern and Antarctic Territories[b] (includes Bouvet Island), Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia[b], Niger, Nigeria, Reunion, Rwanda, St. Helena[b], Sao Tome and Principe, Senegal, Seychelles[b], Sierra Leone, South Africa, Swaziland, Tanzania (United Republic), Togo, Tunisia, Uganda, Western Sahara[b], Zaire, Zambia, and Zimbabwe.

Other Oceania: American Samoa[b], Cook Islands[b], Fiji, French Polynesia, Guam[b], Kiribati[b], New Caledonia, Niue[b], Papua New Guinea, Pitcairn Island[b], Solomon Islands, Tonga, Tokelau[b], United States Minor Outlying Islands[b], Vanuatu, Wallis and Futuna Islands[b], and Western Samoa[b].

Other Western Europe: Austria, Gibraltar, Iceland, Malta, Switzerland (includes Liechtenstein), and Yugoslavia[a].

Scandinavia: Finland, Norway, and Sweden.

South America: Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Falkland Islands[b] (Malvinas), French Guiana, Guyana, Paraguay, Peru, Surinam, Uruguay, and Venezuela.

South East Asia: Brunei Darussalam, Indonesia, Malaysia, Philippines, Singapore, and Thailand.

Other Countries not elsewhere specified: St. Pierre and Miquelon, Greenland, Byelorussian SSR, Ukranian SSR, and U.S.S.R.

[a]To facilitate the comparison with certain studies published by the FAO, **Mexico** is assigned to Central America instead of North America, **Yugoslavia** is assigned to Western Europe instead of Eastern Europe, and the **USSR** is shown outside Europe instead of in Eastern Europe as coded in Statistics Canada publications.
[b]Country names coded only in Statistics Canada publications.
[c]**Greece** joined the EEC on January 1, 1981, and **Portugal** and **Spain** on January 1, 1986.
[d]**Germany (East)** as of October 1990 is part of Western Europe and is included under Germany.
[e]Formerly **Federal Republic of Germany**. Starting in October 1990, includes trade with **Germany (East)**.

C. Reference notes

Shipments of roundwood in British Columbia

Beginning in 1980, the operations of "log supply divisions" in the British Columbia coastal region are treated as merchandising activity rather than logging activity. This change has been implemented to eliminate sizeable duplications in logging inputs and shipments. Involved are four establishments (in some of the earlier years there were five establishments). The "log supply divisions" are administrative units that control the distribution of roundwood and wood chips, from each firms' own logging establishments plus outside purchases and some contractor production, to their wood-using mills. Under the procedure used prior to 1980 the shipments by logging establishments to log supply establishments were duplicated by the shipments from the "log supply divisions" to the wood-using mills although in effect they were only book transfers. The revised figures for 1970-1979 eliminate this duplication.

Discrepancies between production and shipments of roundwood figures

Several reasons can be given to explain the inconsistency between production and shipments figures:

1. Inventories fluctuations.

2. Measurement methods vary from province to province. Some firms use methods recommended by provincial governments, but these methods do not always conform to Statistics Canada requirements. Therefore, Statistics Canada must develop its own conversion factors so that it can use the data for analyses and comparisons.

3. Production data are estimates of all logging operations (we arrived at these estimates using information obtained from the provinces and from Statistics Canada), while shipments comprise only quantities declared by firms whose primary activity is logging. Shipments made by small businesses, whose operations are reported in terms of dollar values, and those made by firms to their subsidiaries as part of a vertical integration, are not taken into account. Each of these factors is responsible for lowering the figures by approximately 10 to 15%.

4. Some small businesses have such low production that they are not included in Statistics Canada surveys.